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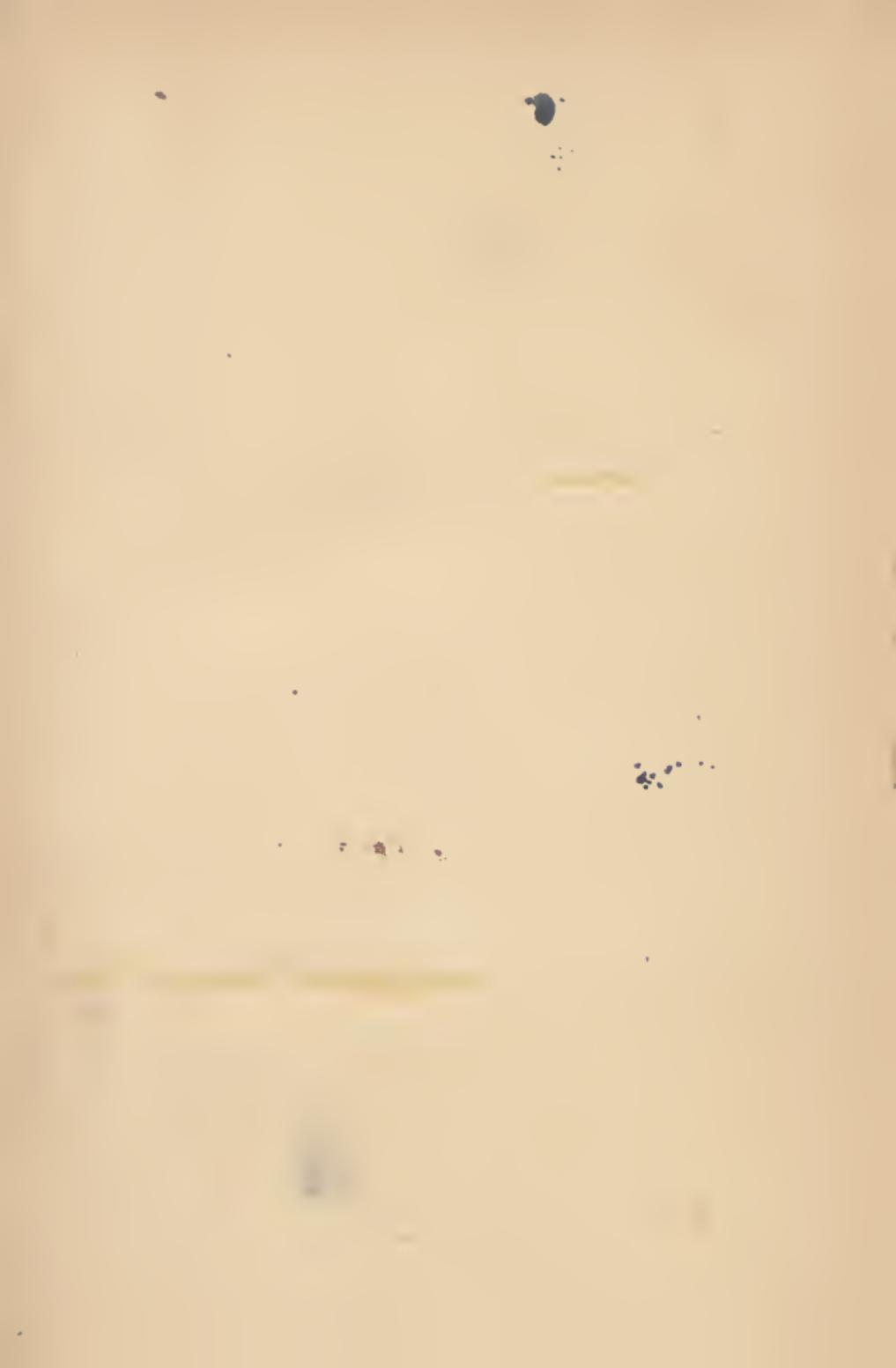
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A SYLLABUS

OF

MATERIA MEDICA

COMPILED BY

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PREFACE.

An experience of several years in actual class-room work has convinced the author that *Materia Medica* is one of, if not quite, the most difficult subject to acquire in the field of medicine. Its study from the medical standpoint cannot rest upon a rational basis until the student is brought face to face with the patient at the bedside. Except in its application, *Materia Medica* is solely a matter of memory and must be learned and relearned many times. Accordingly the attempt is here made to assist the memory as much as possible by condensing the facts, repeating the doses, and by grouping the drugs in various ways.

Some of the more unimportant drugs have been omitted. It is to be regretted that the pruning process could not have been more radical.

It is specially intended that the present volume shall not take the place of, but be supplementary to, text books.

The doses adopted have been taken from White's "*Materia Medica and Therapeutics*." The author wishes to acknowledge his indebtedness to the same volume for the majority of facts here incorporated, and to Messrs. William Wood & Co. for their courtesy and liberality in resetting much of the matter in order to determine upon the form best suited to the text.

5 WEST THIRTIETH STREET.

November 1st, 1898.

TABLE OF CONTENTS.

	PAGES
I.—SCHEMA FOR STUDYING THE ACTIONS AND USES OF DRUGS.....	1- 3
II.—SYLLABUS OF THE ACTIONS AND USES OF DRUGS.....	4- 93
III.—THE MORE IMPORTANT PREPARATIONS,	94-III
IV.—CLASSIFICATIONS OF DRUGS, BASED CHIEFLY ON PHYSIOLOGICAL AC- TIONS.....	112-140
V.—VARIOUS GROUPINGS.....	141-169
1.—Drugs which may produce eruptions	141
2.—Drugs excreted in the milk.....	141
3.—Drugs which affect the color of the feces.....	142
4.—Drugs which affect the color of the urine.....	143
5.—Drugs which may cause the urine to reduce Fehling's solution.....	143
6.—Gastro-intestinal irritants.....	144-145
7.—Alkaloids: their sources and salts..	146-151

TABLE OF CONTENTS.

	PAGES
8.—Active principles of drugs other than alkaloids.....	152-156
9.—Drugs with a maximum dose of $\frac{1}{10}$ grain or less.....	157-158
10.—Drugs known by common and other names.....	159-166
11.—Dosage in children.....	167
12.—Rules for incompatibility.....	167
13.—An easy method of writing prescrip- tions.....	168-169

SCHEMA FOR STUDYING THE ACTIONS AND USES OF DRUGS.

I. External. (Chiefly local or direct.) Including nose, mouth, pharynx, bronchial tubes (inhalation), urethra, vagina, rectum.

II. Internal.—

A.—Alimentary tract (action local). Mouth, stomach, intestines.

B.—Circulation.

- (1) Blood (entrance into; changes effected in; indirect effect on metabolism, indicated by urea, carbon dioxide, and temperature).
- (2) Heart (force, frequency, regularity; action direct or through nerves; blood-pressure).
- (3) Blood-vessels (effect on calibre; action direct or indirect; blood-pressure).

C.—Nervous system.

- (1) Brain (vascular changes in; action on motor or sensory areas; on special centres, cardiac, respiratory, vaso-motor, vomiting, heat).
- (2) Cord (reflex activity, anterior cornua, afferent and efferent tracts).
- (3) Peripheral nerves (afferent and efferent).

D.—Secretions.

- (1) Saliva, gastric, pancreatic, and intestinal juices. Also physical and chemical changes in feces.
- (2) Bile (direct or indirect action).
- (3) Urine (quantity, chemical and physical changes, including amount of urea and odor).
- (4) Sweat (quantity, effect on temperature).
- (5) Bronchial (increased or diminished; if disinfected).
- (6) Milk (increased or diminished; if excreted in).

E.—Special actions.

- (1) Eye (pupil, accommodation, tension).
- (2) Genito-urinary tract.
- (3) Muscles (voluntary, involuntary).

(a) Does it easily produce symptoms of poisoning ?
1. Children. 2. Adults. 3. Tolerance.

(b) What symptoms ?

Anorexia, nausea, vomiting, purging; cardiac; respiratory; nervous; tinnitus aurium; renal congestion; eruptions.

(c) How administered ?

1. With reference to meals.
2. Night or morning.
3. Diluted or undiluted.
4. Flavored.
5. In capsules or wafers.

SYLLABUS OF MATERIA MEDICA.

ABSINTHUM (*wormwood*)..... 8-40 gr.

Use. Stomachic.

ACACIA (*gum Arabic*):

Mucilago a..... freely.

Syr. a..... "

Uses. Demulcent, vehicle.

ACETANILIDUM (*antifebrin*)..... 2-5 gr.

Actions. Cardiac depressant. Vaso-constrictor.

Antipyretic. Analgesic.

Uses. Chiefly as antipyretic and analgesic.

ACIDUM ACETICUM:

Ac. aceticum dil., 6%..... 1-8 dr.

ACIDUM ACETICUM GLACIALE.

ACIDUM CITRICUM	5-30 gr.
Syr. acidi citrici.....	1-4 dr.

ACIDUM HYDROCHLORICUM:

Ac. hydrochloricum dil., 31%.....	5-20 ml.
-----------------------------------	----------

ACIDUM LACTICUM.**ACIDUM NITRICUM:**

Ac. nitricum dil., 10%.....	5-30 ml.
“ nitrohydrochloricum.	
“ “ dil.....	5-30 ml.

ACIDUM PHOSPHORICUM:

Ac. phosphoricum dil., 10%.....	5-30 ml.
---------------------------------	----------

ACIDUM SULPHURICUM:

Ac. sulphuricum dil., 10%.....	10-30 ml.
“ “ arom., 20%.....	5-15 ml.

ACIDUM TARTARICUM..... 8-30 gr.

Actions. *Ext.* Irritants, except citric. Caustics. Astringents. Hemostatics. Refrigerants when dilute. *Int.* Sialagogues. Before meals check gastric juice. Sulphuric astringent in intestine. Cholagogues, especially nitric and nitrohydrochloric. Acetic, citric, and tartaric increase alkalinity of blood, others diminish it.

Uses. *Ext.* To destroy warts, condylomata, etc. Hemostatics. Refrigerant in fevers. *Int.* To allay thirst. Dyspepsia. Sulphuric as hemostatic in stomach and intestines, and in diarrhoea. Chalagogue. Vegetable acids for scurvy, and in combination as diuretics and in gout. Sulphuric as anhidrotic in tuberculosis.

ACIDUM BORICUM..... 5-15 gr.
 Glyceritum boroglycerini.
 Sodii boras (*borax*)..... 5-30 gr.

Actions. Local disinfectant and antiseptic.

Uses. Wounds, ulcers, etc. Vaginitis, urethritis, etc. Aphthous stomatitis.

ACIDUM CARBOLICUM (*phenol*)..... $\frac{1}{2}$ -1 gr.
 Ung. acidi carbolici, 5%.
 Glyceritum acidi carbolici, 20%..... 2-5 ml.

Actions. *Ext.* Antiseptic, disinfectant, deodorant, parasiticide. Irritant, caustic. Local anaesthetic. *Int.* Small doses, antiseptic. Large doses, general depressant. Urine dark from pyrocatechin and hydrochinon.

Uses. As antiseptic, etc.

ACIDUM GALLICUM..... 5-20 gr.

Actions. Said to diminish secretions of mucous surfaces.

Uses. Chronic bronchitis. Pyelitis, etc.

ACIDUM HYDROBROMICUM DILUTUM, $\frac{1}{2}$ -1 dr.**Actions.** *Int.* Like the bromides.**Uses.** *Int.* To relieve noises in the ears. To prevent cinchonism. To dissolve quinine.**ACIDUM HYDROCYANICUM DILUTUM** (*prussic acid*)..... 1-3 fl.**Actions.** *Ext.* Sedative, local anaesthetic. *Int.* Sedative. Cardiac, vaso-motor, respiratory depressant.**Uses.** Itching. Gastric pain, vomiting. For coughs.**ACIDUM OLEICUM.****Use.** Solvent of drugs for inunction.**ACIDUM STEARICUM.****Uses.** Making glycerine suppositories. In combination with zinc and copper for skin diseases.**ACIDUM SULPHUROSUM**..... $\frac{1}{2}$ -2 dr.**Actions.** *Ext.* Disinfectant, deodorant, parasiticide.*Int.* Disinfectant in stomach and intestine (?).**Uses.** In form of gas from burned sulphur to disinfect rooms, etc. Ringworm and foul sores.**ACIDUM TANNICUM**..... 1-20 gr.

Collodium stypticum..... 20%

Troc. ac. tan. (1 gr.)..... 1-3

Ung. ac. tan..... 20%

Glyceritum ac. tan..... 20%

Actions. *Ext.* Astringent. Hemostatic. *Int.* Astringent and hemostatic in stomach. Changed to gallic acid in intestine.

Uses. *Ext.* As general astringent and hemostatic. *Int.* In other drugs, as catechu, for diarrhoea.

ACONITUM (<i>monkshood</i>)	.....	½-2 gr.
Ext. a	.....	10-1 gr.
Ext. a. fl.	.....	½-2 ℥.
Tr. a.	.....	½-5 ℥.
	(Fleming's tr. twice as strong.)	
Aconitina	.....	1/200 gr. with caution.
Napellina	.....	1/6-1/2 gr.

Actions. *Ext.* Tingling, numbness, local anaesthesia. *Int.* Heart slowed, force lessened. Blood-pressure falls. Vessels dilate (?). Depresses nerves of sensation, temperature, and later motion. Pain relieved. Antipyretic. Diaphoretic. Diuretic (?).

Uses. *Ext.* Neuralgia, etc. *Int.* Neuralgia. Febrile diseases. Tonsillitis, laryngitis, etc.

ADEPS (*lard*):

Adeps benzoinatus.

Ceratum.

“ resinæ.

Unguentum.

Oleum adipis.

Uses. Emollient. Making ointments.

ADEPS LANÆ HYDROSUS (*lanolin*):

Uses. Basis for inunctions.

ADONIDIN (*glucoside fr. adonis vernalis*).... $\frac{1}{6}$ – $\frac{1}{3}$ gr.

Actions. Cardiac stimulant. Slows heart. Raises blood-pressure, which subsequently falls from vaso-motor paralysis. Action prompt.

Uses. Like digitalis.

ÆTHER..... 5–60 ml.

Spr. ætheris..... $\frac{1}{4}$ –1 dr.

Oleum æthereum.

Spr. ætheris co. (*Hoffman's anodyne*).... 5–60 ml.

Actions. *Ext.* Evaporating, produces cold and local anaesthesia. Confined, irritant. *Int.* Like alcohol and chloroform. Stomachic, carminative. Cardiac stimulant. General anaesthetic. Respiratory stimulant.

Uses. *Ext.* Small operations. *Int.* As stomachic. Flatulent dyspepsia. Fainting, heart failure, palpitation. Antispasmodic, asthma. General anaesthetic.

Cautions. Do not use in: 1. Bronchitis or pulmonary disease. 2. Renal disease. 3. Heart disease. 4. Aneurism. 5. Arterial sclerosis. 6. In hot climates. 7. About artificial light.

ÆTHER ACETICUS..... 20–60 ml.

Actions and Uses. Stimulant, antispasmodic, carminative.

ÆTHYLENE BICHLORIDUM (*Dutch liquid*):**Action and Use.** General anæsthetic.**ÆTHYL BROMIDUM** (*hydrobromic ether*):**Actions.** Rapid, transient anæsthetic, without total loss of consciousness.**Uses.** Minor surgery.**AGARICIN** (*agaric acid*) $\frac{1}{8}$ — $\frac{1}{2}$ gr.From the fungus *polyporus officinalis*.**Use.** Anhidrotic in night sweats.**ALCOHOL**

Alcohol absolutum.....	99%
“ deodoratum	92.5%
“	91%
Spr. frumenti (whiskey).....	44-50%
“ vini gallici (brandy).....	39-47%
Gin, rum, liqueurs.....	40-50%
Alcohol dilutum.....	41%
Vinum album fortius.....	20-25%
“ portense (port).....	15-25%
“ xericum (sherry).....	15-20%
Madeira.....	15-20%
Champagne	10-13%
Burgundy	10-13%

Vinum album.....	10-14%
“ rubrum.....	10-14%
Claret.....	8-12%
Cider.....	5- 9%
Ale or stout.....	5- 9%
Beer or porter.....	2- 5%
Kumyss.....	1- 3%

Actions. *Ext.* Disinfectant. Refrigerant. Astringent. Anhidrotic. Hardens skin. When confined, rubefacient. *Int.* Stomachic. Local anaesthetic. Diminishes oxidation. Antipyretic. Cardiac stimulant; after-effect, exhaustion. Vaso-dilator. Raises blood-pressure. Diaphoretic. Diuretic. Small doses, nervous stimulants; large, narcotic.

Uses. *Ext.* Refrigerant, anhidrotic. Headache. Prevent bedsores. *Int.* Aid digestion. Vomiting. Diarrhoea. Cardiac stimulant. Insomnia. Diuretic.

ALLIUM (<i>garlic</i>).....	15-30 gr.
Syr. a.....	1-4 dr.

Actions. Stomachic. Cardiac stimulant. Expectorant.

Uses. Dyspepsia.

ALOE BARBADENSIS	$\frac{1}{2}$ -10 gr.
“ SOCOTRINA	$\frac{1}{2}$ -10 gr.

Ext. a.....	$\frac{1}{2}$ -3 gr.
A. purificata.....	$\frac{1}{2}$ -10 gr.

Pil. a., gr. 2.....	1-4	pills.
Pil. a. et asafoetidæ, gr. 1½.....	1-5	"
Pil. a. et ferri, gr. 1.....	1-4	"
Pil. a. et mastiches ("Lady Webster"), gr. 2.....	1-3	"
Pil. a. et myrrhæ, gr. 2.....	2-10	"
Tr. a.....	½-1	dr.
Tr. a. et myrrhæ.	1-2½	dr.
Aloinum	½-2	gr.

Actions. Stomachic. Purgative—15-20 hrs. Acts chiefly on colon. Gripes. Cholagogue. Emmenagogue.

Uses. Stomachic. Habitual constipation. Chlorosis and anæmia with iron. Amenorrhœa.

ALTHÆA (*marshmallow*):

Syr a.....	freely.
------------	---------

Uses. Demulcent Flavoring agent.

ALUMINUM :

Alumen.....	5-30 gr.
Alumen exsiccatum.	
A. hydras.....	1-10 gr.
A. sulphas.	

Actions. *Ext.* Coagulates albumin of sores and ulcers. Astringent. Hemostatic. *Int.* Astringent, mouth, stomach, intestines. Direct emetic.

Uses. *Ext.* Destroys unhealthy granulations. Eczema, leucorrhœa, gleet, conjunctivitis, etc. Piles, cuts, etc. *Int.* Tonsillitis, etc. Emetic. Gastric hemorrhage. Diarrhœa.

AMMONIUM

Aqua ammoniæ fortior.....	3-6 ml.
Well diluted.	
Spiritus ammoniæ.....	10-60 ml.
Aqua ammoniæ.....	10-20 ml.
Linimentum ammoniæ.	

Actions. *Ext.* Rubefacient, vesicant. *Int.* Like alkalies generally in stomach. Cardiac and respiratory stimulant. Raises blood-pressure.

Uses. *Ext.* Counter-irritant. Insect bites. Syncope (inhalation). *Int.* Dyspepsia. Cardiac and respiratory stimulant in collapse. Snake-bites (hypodermically).

A. carbonas.....	2-15 gr.
Spiritus ammoniæ aromaticus (<i>sal volatile</i>).....	$\frac{1}{2}$ -2 dr.

Actions and uses. Gastric stimulant. Carminative. Cardiac and general stimulant. Expectorant. Emetic.

A. chloridum.....	1-30 gr.
Trochisci ammonii chloridi, gr. 2...	1-6.

Uses. *Ext.* Chr. pharyngitis, otitis media, laryngitis, bronchitis (by inhalation). *Int.* Expectorant.

Liquor a. acetatis (*spirit of Mindererus*).. 2-8 dr.

Actions and uses. Diaphoretic and diuretic in febrile conditions and nephritis.

AMYGDALA (*almond*):

A. amara (*bitter almond*):

Oleum a. a.....	$\frac{1}{2}$ - $\frac{1}{2}$	ml.
Aqua a. a.....	2-4	dr.
Spr. a. a.....	15-45	ml.

A. dulcis (*sweet almond*):

Emul. amygdalæ.....	indeterminate.	
Syr. "	"	"

Ol. amygdalæ expressum (fr. bitter or sweet).....	1-4	dr.
---	-----	-----

Actions and uses. Bitter almond for vehicle and flavoring. Sweet almond, demulcent, vehicle, and to replace flour in diabetes.

AMYLENI HYDRAS..... $\frac{1}{2}$ -1 dr.

Action and use. Hypnotic. Safe.

AMYL NITRIS..... dose. { inhaled 1-3 ml.
internally $\frac{1}{2}$ -1 ml.

Actions. *Int.* Increases cardiac frequency—vagus inhibition. Vaso-dilator. Symptoms of cerebral

congestion. Respiratory stimulant. Antipyretic. Depresses reflexes.

Uses. Cardiac and aneurismal pain. Angina pectoris. Epilepsy. Migraine. Tetanus, strychnia poisoning. Asthma. Whooping-cough.

AMYLUM (starch) :

Glyceritum amyli.

Uses. Chiefly for mechanical properties.

ANISUM (anise).....	10-30 gr.
Oleum a.....	1-5 ℥.
Aqua a.....	$\frac{1}{4}$ -1 oz.
Spr. a.....	1-2 dr.

Actions and uses. Of volatile oils.

ANTHEMIS (chamomile)..... $\frac{1}{2}$ -2 dr.

Action and use. Stomachic bitter.

OLEUM ANTHEMIDIS..... 1-4 ℥.

Actions and uses. Like other volatile oils.

ANTIKAMNIA (proprietary) :

Said to contain acetanilid, sodium bicarbonate, caffeine, and tartaric acid.

ANTIMONIUM:

A. sulphidum.

" " purificatum.

A. sulphuratum..... $\frac{1}{6}$ -1 gr.

A. oxidum..... 1-4 gr.

Pulvis antimonialis (*James' powder*), 3-15 gr. 1A. et potassii tartras (*tartar emetic*):

doses	diaphoretic.....	$\frac{1}{10}$ - $\frac{1}{2}$ gr.
	cardiac depressant	$\frac{1}{2}$ -1 gr.
	emetic.....	1-2 gr.

Vinum a..... 5-60 ml.

Syr. scillæ co. (*hive syrup*)..... 5-30 ml.

Actions. *Ext.* Irritant. Tartar emetic produces local pustular eruption. *Int.* Irritant. Direct and indirect emetic. Cardiac depressant. Powerful nerve depressant. Large doses antipyretic. Expectorant. Diaphoretic. Cholagogue.

Uses. *Ext.* Rarely as caustic. *Int.* Emetic. Cardiac depressant in febrile conditions. Bronchitis. Not used as much as formerly.

ANTIPYRIN 3-20 gr.

Actions. Analgesic, antipyretic. Cardiac depressant. Vaso-constrictor.

Uses. Neuralgia, etc. Hyperpyrexia. Hemostatic in epistaxis and hemorrhoids.

APIOL (*a camphor from parsley*)..... 5-15 gr.

Uses. Antiperiodic. Dysmenorrhœa. Amenorrhœa.

Liquid apiol is an alcoholic extract of parsley seeds. Dose, 2-8 ml.

APOCYNUM (*Canadian hemp*):

doses { emetic ... 10-20 gr.
alterative, 2-5 gr.

Ext. a. fl. 2-20 ml.

Use. Diuretic.

APOMORPHINÆ HYDROCHLORAS:

doses { subcut. $\frac{1}{25}-\frac{1}{8}$ gr.
by mouth $\frac{1}{20}-\frac{1}{10}$ gr.

Actions. Indirect emetic. Stimulates bronchial secretion. Other actions which are not toxic are due to the vomiting.

Uses. Poisoning, etc. Expectorant.

AQUA HYDROGENII DIOXIDI (*hydrogen peroxide*) 1-3 dr.

Actions. *Ext.* Gives up oxygen readily and is anti-septic and disinfectant. Decomposes pus. *Int.* Gives oxygen to blood. Probably stimulates nervous system.

Uses. *Ext.* Washing wounds, fistulæ, etc. Mouth wash in diphtheria. *Int.* Dyspepsia.

ARGENTUM (silver):

A. nitras (*lunar caustic*)..... $\frac{1}{4}$ -1 gr.
 Nitras dilutus.
 " fusus.
 A. oxidum..... $\frac{1}{4}$ -2 gr.
 A. cyanidum.
 A. iodidum..... $\frac{1}{4}$ -1 gr.

Actions. *Ext.* Caustic, astringent, hemostatic. *Int.* Said to have little action. Astringent (?).

Uses. *Ext.* General astringent. *Int.* Nervous diseases. Diarrhoea. Injection for dysentery.

ARISTOLUM.

Action and use. Like iodoform.

ARNICA:

A. flores..... 10-20 gr.
 Tr. a. flor..... 15-45 ml.
 A. radix..... 5-20 gr.
 Ext. a. rad..... 5-10 gr.
 Ext. a. rad. fl..... 5-20 ml.
 Tr. a. rad..... 5-10 ml.
 Empl. a.

Actions and uses. Like volatile oils.

ARSENUM:

Acidum arsenosum.....	$\frac{1}{60}-\frac{1}{10}$ gr.
Liquor potassii arsenitis (<i>Fowler's solution</i>), 1%.....	2-10 ml.
Liquor acidii arsenosi, 1%.....	5-10 ml.
Sodii arsenas.....	$\frac{1}{30}-\frac{1}{10}$ gr.
Liquor sodii arsenatis (<i>Pearson's solution</i>), 1%.....	1-10 ml.
Arseni iodidum.....	$\frac{1}{30}-\frac{1}{10}$ gr.
Liquor arseni et hydrargyri iodidi (<i>Donovan's solution</i>), $\tilde{\alpha}\tilde{\alpha}$ 1%.....	1-10 ml.

Actions. *Ext.* Caustic on raw surfaces. *Int.* Gastric irritant in large doses. In small doses gastric and duodenal stimulant. Hematinic. Alterative.

Uses. *Ext.* As caustic, but dangerous. *Int.* To destroy pulps of teeth. Dyspepsia. Some cases of vomiting. Some cases of diarrhoea. Chronic superficial skin diseases. Primary anaemias, as pernicious anaemia, leukaemia, Hodgkin's disease. Secondary anaemias, as chlorosis, etc. Antiperiodic and vague malarial manifestations. Rheumatoid arthritis. Chorea. Asthma.

ASAFŒTIDA:

Emul. a.....	$\frac{1}{2}-1$ oz.
Pil. aloes et a.....	1-5 pills.
Pil. a., 3 gr.....	1-4 "
Tr. a.....	$\frac{1}{2}-1$ dr.

Actions. Of volatile oils. Stimulates peristalsis.

Uses. With purgatives. Flatus. Because of bad taste, hysteria.

ASPIDIUM (*male fern, filix-mas*) $\frac{1}{2}$ - $1\frac{1}{2}$ dr.
Oleoresina a..... $\frac{1}{4}$ -1 dr.

Action and use. Anthelmintic for tapeworm.

ASPIDOSPERMA (*quebracho*)..... 5-30 gr.
Ext. a. fl..... 5-30 fl.

Action. Increases amt. of oxygen in blood (Penzoldt).

Uses. Emphysema, chronic bronchitis, asthma.

AURANTII CORTEX (*orange peel*):

A. amari cortex:

Ext. a. a. fl..... $\frac{1}{2}$ -1 dr.
Tr. a. a..... 1-2 dr.

A. dulcis cortex.

Syr aurantii..... vehicle.
Tr. " dulcis 1-2 dr.

Oleum aurantii corticis:

Spr. aurantii..... vehicle.
Spr. " co..... "
Elixir aromaticum..... "

Actions and uses. Flavoring agent. Bitter.

AURANTII FLORES:

Oleum aurantii florum:

Aqua a. f. fortior.....	indeterminate.
Aqua a. f.	"
Syr. a. f.	"

Actions and uses. Flavoring agent.**AURUM (gold):**

A. et sodii chloridum.....	$\frac{1}{30}$ - $\frac{1}{10}$ gr.
----------------------------	-------------------------------------

Actions. *Int.* Promotes digestion. Stimulates brain.

Aphrodisiac.

Uses. Dyspepsia. Gastroduodenitis. Hypochondriasis. To absorb connective-tissue formations. Tertiary syphilis.**BALSAMUM PERUVIANUM..... 10-30 M.****Actions.** *Ext.* Stimulant. Disinfectant. *Int.* Carminative. Expectorant.**Uses.** *Ext.* Wounds, sores, and chronic eczema. Pediculi, scabies, ringworm. *Int.* Chronic bronchitis.**BALSAMUM TOLUTANUM..... 10-30 gr.**

Syr. t.	$\frac{1}{2}$ -1 oz.
Tr. t.	1-2 dr.

Action. Like bals. of Peru.**Use.** Expectorant.

BARIUM:

B. dioxidum.
 B. chloridum..... $\frac{1}{10}$ — $\frac{1}{2}$ gr.

Actions. Like digitalis. Stimulates muscle of intestine and bladder.

Uses. Mitral insufficiency. Hemorrhage. Atony of intestine or bladder.

BELLADONNA (*deadly nightshade*):

B. folia..... 1-5 gr.
 Ext. b. foliorum alc..... $\frac{1}{8}$ — $\frac{1}{2}$ gr.
 Tr. b. " 5-30 ml.
 Ung. b. " 10%.
 Empl. b. " 20%.

B. radix:
 Ext. b. radicis fl..... 1-3 ml
 Lin. b.
 Atropine (*alkaloid*)..... $\frac{1}{120}$ — $\frac{1}{60}$ gr.
 A. sulphas..... $\frac{1}{120}$ — $\frac{1}{20}$ gr.

Actions. *Ext.* Anodyne, local anaesthetic. *Int.* Vagus inhibited. First contracts, then dilates vessels. Blood-pressure rises, then falls. Deliriant. Stimulates, then depresses medullary centres. Antipyretic. Depresses all secretory nerves. Mydriatic. Paralyzes accommodation. Intra-ocular tension increased. Relaxes involuntary muscle.

Uses. *Ext.* Pain. *Int.* Antisialagogue. With purgatives. Certain cardiac diseases. Night-sweats. Whooping-cough. Asthma. Nocturnal incontinence. Vesical or urethral spasm. *With opium.*

BENZOINUM:

Adeps benzoinatus.

Tr. b.....	$\frac{1}{2}$ -1	dr.
Tr. b. co. (<i>friar's balsam</i>).....	$\frac{1}{2}$ -1	dr.
Acidum benzoicum.....	5-15	gr.
Ammonii benzoas.....	5-20	gr.
Sodii ".....	5-60	gr.

Actions. *Ext.* Antiseptic. *Int.* Causes appearance of hippuric acid in urine. Makes alkaline urine acid. Disinfecting expectorant. Antipyretic.

Uses. *Ext.* Stimulating antiseptic. *Int.* Bronchitis, pulmonary tuberculosis. Pyelitis and cystitis with alkaline urine.

BERBERINÆ SULPHAS..... 1-10 gr.

Actions and uses. Bitter stomachic. Slightly antipyretic and antiperiodic. Antiseptic.

BISMUTHUM:

B. subcarbonas.....	5-60	gr.
B. subnitras.....	5-60	gr.
B. citras.....	1-3	gr.
Bismuthi et ammonii citras.....	2-5	gr.
B. subgallas (<i>dermatol</i>).....	5-10	gr.
B. salicylas.....	5-20	gr.

Actions. *Ext.* and *int.* Astringent. Gastric sedative.

Uses. *Ext.* As protective and astringent. *Int.* Nausea, vomiting, gastric pain. Diarrhoea.

BORAX. See Acidum boricum.

BROMOFORMUM..... 1-5 ml.

Action and uses. Anæsthetic. Whooping-cough.
With care.

BROMUM :

Potassii bromidum.....	5-60 gr.
Sodii "	15-60 gr.
Ammonii "	5-30 gr.
Lithii "	5-20 gr.
Calcii "	15-30 gr.
Zinci "	1-5 gr.
Strontii "	5-30 gr.

Actions. *Int.* Depressants to nervous system. Hypnotics. Cardiac depressants, except ammonium salt. Respiratory depressants. Metabolism diminished. Anaphrodisiacs.

Uses. *Int.* Epilepsy, especially *grand mal*. Hypnotic. Migraine. Delirium tremens. Laryngismus stridulus. Tetanus. Hysteria. Neuralgia. Strychnia poisoning. Spermatorrhœa. Nymphomania.

BRYONIA (*bryony*)..... 10-60 gr.

Tr. b..... 1-5 dr.

Action and use. Hydragogue cathartic.

BUCHU (<i>bucco</i>).....	15-30 gr.
Ext. b. fl.....!	15-30 ml.

Actions. Diuretic. Disinfectant to g.-u. tract.
Also of volatile oils.

Uses. As diuretic. Pyelitis, cystitis, gonorrhœa.

BUTYL-CHLORAL HYDRAS (<i>croton chloral</i>),	
	5-20 gr.

Actions and uses. Like chloral. Less depressant to heart.

CAFFEINA (<i>theine, guaranine</i>).....	1-5 gr.
C. citrata.....	2-8 gr.
C. " effervescens.....	1-4 dr.

Actions. Cardiac stimulant, increasing force and lengthening systole. Blood-pressure raised. Cerebral stimulant. Diuretic.

Uses. Aortic and mitral obstruction. Cardiac dropsy, ascites. Pleural effusion. Nephritis. Combined with cardiac depressants.

CALAMUS (*sweet-flag*):

Ext. c. fl.....	15-60 ml.
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Action and use. Stomachic bitter. Carminative.

CALCIUM:

Crete præparata.....	10-60 gr.
Pulvis cretæ compositus.....	5-60 gr.

Mistura cretæ.....	2-4	dr.
Hydrargyrum cum creta (<i>gray powder, 38% Hg.</i>).....	½-10	gr.
Trochisci cretæ, 4 gr.....		<i>ad lib.</i>
Calcii carbonas præcipitatus.....	5-60	gr.

Actions. *Ext.* Astringent. *Int.* Antacid, astringent.

Uses. Eczema, diarrhœa.

Calx:

Liquor calcis (<i>lime-water</i>).....	1-8	dr.
Linimentum calcis (<i>Carron oil</i>).....		
Syrupus calcis.....	15-60	fl.
Potassa cum calce (<i>Vienna paste</i>).....		

Actions. *Ext.* Lime-water, astringent. Slacked lime, caustic. *Int.* Lime, antacid, antemetic; antidote for mineral acids, oxalic acid, zinc chloride; intestinal astringent.

Uses. *Ext.* Lime-water for weeping eczema. Vienna paste as caustic. Linimentum calcis for burns. *Int.* Lime-water mixed with milk. Vomiting. Diarrhœa.

Calcii phosphas præcipitatus.....	5-30	gr.
Syrupus calcii lactophosphatis.....	1-2	dr.

Actions and uses. Increases salts of bone. Rickets. Anæmia.

Calx sulphurata..... $\frac{1}{10}$ — $\frac{1}{2}$ gr.

Used in suppuration.

Calcii chloridum..... 5—20 gr.

Used for enlarged lymph glands.

Calcii sulphas exsiccatus (*Plaster of Paris*).

Used for plaster casts.

CALUMBA 5—30 gr.

Ext. c. fl. 5—30 ml.

Tr. c. 1—4 dr.

Actions. Stomachic bitter. Carminative. Anthelmintic to threadworm—*injection*.

Uses. Dyspepsia. Threadworm.

CAMBOGIA (*gamboge*)..... 1—5 gr.

Action. Drastic, hydragogue purgative. Gripes.

Use. In combination.

CAMPHORA 3—20 gr.

Aqua c. $\frac{1}{2}$ —2 oz.

Lin. c. (*camphorated oil*).

Spr. c. 30—60 ml.

Ceratum c.

Actions. *Ext.* Warmth. Anæsthesia. *Int.* Stom-

achic and carminative. Cardiac stimulant, directly, and reflexly from stomach. Cerebral excitant or sedative. Expectorant. Diaphoretic. Aphrodisiac.

Uses. *Ext.* Counter-irritant and anodyne. *Int.* Carminative. Coryza. Cough mixtures. Hysteria.

CAMPHORA MONOBROMATA..... 2-10 gr.

Actions and uses. Like the bromides.

CANNABIS INDICA (*Indian hemp, haschisch*),

	2-5 gr.
Ext. c. i.....	$\frac{1}{6}$ - $\frac{2}{3}$ gr.
Ext. c. i. fl.....	2-5 ml.
Tr. c. i.....	5-30 ml.

Actions. Peculiar intoxication. Deliriant. Narcotic.

Uses. Migraine, neuralgia.

CANTHARIS (*Spanish fly*):

Ceratum c.

Collodium cantharidatum.

Tr. c..... 1-15 ml.

Empl. picis cantharidatum.

Actions. *Ext.* Irritant, counter-irritant, vesicant.

Int. Gastro-intestinal irritant. Renal irritant—albumin, blood.

Uses. *Ext.* Counter-irritant. Vesicant—about 8 hrs.

CAPSICUM (<i>Cayenne pepper</i>)	1-8	gr.
Ext. c. fl.	1-8	ml.
Oleores. c.	½-1	ml.
Tr. c.	5-60	ml.
Empl. c.		

Actions and use. Like volatile oils.

CARBO ANIMALIS PURIFICATUS	20-60	gr.
	½+	oz. as antidote.

Carbo ligni	20-60	gr.
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Actions. *Ext.* Absorbs oxygen. Disinfectant, deodorant. *Int.* Probably none.

Uses. Locally, ulcers, etc. Flatus. Antidote to alkaloids.

CARDAMOMUM	10-15	gr.
Tr. c.	1-2	dr.
Tr. c. co.	2-4	dr.

Actions and use. Like volatile oils.

CARUM (<i>caraway</i>)	15-30	gr.
Oleum c.	1-5	ml.

Actions and uses. Of volatile oils.

CARYOPHYLLUS (<i>cloves</i>)	5-30	gr.
Oleum c.	1-5	ml.

Actions. *Ext.* Irritant, counter-irritant, rubefacient. Local anaesthetic. *Int.* Stomachic, carminative. Reflex cardiac stimulation. Stimulating disinfectant of secretions. Antispasmodic.

Uses. *Ext.* Neuralgia. *Int.* Stomachic, carminative, antispasmodic.

CASCARILLA 10-30 gr.

Action and use. Stomachic bitter.

CASSIA FISTULA (*purging cassia*) 1-8 dr.

Use. In confection of senna.

CATECHU 10-30 gr.

Tr. c. co. $\frac{1}{2}$ -2 dr.

Troch. c., 1 gr. 1-6

Action and use. *Ext.* and *Int.* Astringent. Sore throat, diarrhoea, etc.

CERA (*wax*):

C. flava.

C. alba.

Uses. Basis for plasters, ointments, cerates.

CEREUS GRANDIFLORUS (*cactus*):

Ext. c. g. fl. 10-30 ml.

Actions. Cardiac stimulant—augmentor and intrinsic mechanism. Shortens diastole. Raises blood-pressure. Vaso-motor action not marked.

Uses. As general cardiac stimulant. Functional cardiac diseases. Aortic regurgitation. *Contra-indicated* in mitral stenosis.

CERIUM:

C. oxalas..... 1-8 gr.

Use. Vomiting of pregnancy.

CETACEUM (*spermaceti*):

Ceratum c. |

Ung. aquæ rosæ.

Uses. Emollient. Making ointments.

CETRARIA (*Iceland moss*):

Decoctum c..... 1-4 oz.

Uses. Demulcent. Food.

CHENOPODIUM (*Amer. wormseed*)..... 15-30 gr.

Oleum c..... 2-10 ml.

Action and use. Anthelmintic for roundworm.

CHLORAL..... 5-20 gr.

Actions. *Ext.* Antiseptic. Irritant. *Int.* Gastric irritant. Cardiac, vaso-motor, respiratory depressant. Depresses cerebrum and cord. Hypnotic.

Uses. Hypnotic. Delirium tremens, puerperal convulsions, mania. Tetanus, strychnia-poisoning, whooping-cough.

CHLORALOSE..... 2-8 gr.

Action and use. Hypnotic.

CHLORALUM FORMAMIDATUM (*chloralamide*),
10-30 gr.

Action and use. Hypnotic, without after-effects.

CHLOROFORMUM 2-20 fl.

Aqua chloroformi.....	1-4 dr.
Linimentum "	
Emulsum "	1-4 dr.
Spiritus " (<i>chloric ether</i>).....	½-1 dr.

Actions. *Ext.* Evaporating, produces cold and local anaesthesia. Confined, irritant and vesicant. *Int.* Like alcohol. Small doses stomachic. Cardiac stimulant. General anaesthetic: 1st stage, stimulation; 2d stage, depression; 3d stage, reflexes abolished. No action on peripheral nerves. May produce vomiting.

Uses. *Ext.* Chronic rheumatism and inflammations. Myalgia. *Int.* Toothache. Dyspepsia. Cardiac stimulant. General anaesthetic.

Cautions. 1. Examine heart. 2. Remove false teeth. 3. Empty stomach and bowels. 4. Head raised. 5. Clothing loose. 6. Stimulants at hand. 7. 5% chloroform, 95% air. 8. Do not begin operation in 1st stage. 9. Watch respiration and pulse.

CHLORUM :

Aqua chlori.....	1-4 dr.
Calx chlorata.	
Liquor sodæ chloratæ (<i>Labarraque's solution</i>).....	½-1 dr.

Actions. *Ext.* Disinfectant, deodorant, irritant.

Int. Rarely given.

Uses. As above.

CHONDRUS (*Irish moss*)..... 2-4 dr.

Action and use. Demulcent. Food.

CHROMIUM:

Acidum chromicum.

Actions. *Ext.* Disinfectant, deodorant, caustic.

Int. Unknown.

Uses. *Ext.* Disinfectant for ulcers, sores, gonorrhœa, leucorrhœa, in strength of 1 in 40. Crystals as caustic in nares.

CHYSAROBINUM (*Goa powder, Araroba powder*):

Ung. c..... 5%.

Actions. *Ext.* Powerful irritant. Parasiticide.

Stains yellow. *Int.* Gastro-intestinal irritant.

Uses. *Ext.* Ringworm. Chronic skin diseases, e.g., psoriasis.

CIMICIFUGA (*black snakeroot*):

Ext. c..... 1-5 gr.

Ext. c. fl..... $\frac{1}{2}$ -1 dr.

Tr. c..... $\frac{1}{2}$ -2 dr.

Actions. Stomachic. Increases force of heart-beat.

Emmenagogue.

Uses. Dyspepsia. Amenorrhœa.

CINCHONA	10-60 gr.
Inf. c.....	1-2 oz.
Ext. c.....	5-30 gr.
Ext. c. fl.....	10-60 fl.
Tr. c.....	½-2 dr.

CINCHONA RUBRA	10-60 gr.
Tr. c. co.....	1-4 dr.
Quinina.....	1-20 gr.
Ferri et q. citras.....	2-10 gr.
" " " " sol.....	2-10 gr.
Vinum ferri amarum.....	1-4 dr.
Q. bisulphas.....	1-20 gr.
Q. hydrobromas.....	1-20 gr.
Q. valerianas.....	1-30 gr.
Q. sulphas.....	1-20 gr.
Syr. ferri et q. et strychninæ phosphatum	½-1 dr.
Q. hydrochloras.....	1-20 gr.
Quinidinæ sulphas.....	1-20 gr.
Cinchonina	1-30 gr.
C. sulphas	1-30 gr.
Cinchonidinæ sulphas.....	1-30 gr.
Tr. antiperiodica (<i>Warburg's tr.</i>), 10 gr.-1 oz.,	
	1-4 dr.

Actions. *Ext.* Antiseptic—1-1000-250. *Int.* Stomachic. Arrests movement of white blood-cells.

Increases stability of O—hemoglobin. Lowers temperature. Diminishes metabolism. Small doses stimulate heart. Small doses stimulate brain. Antipyretic, acting on heat centres. Diminishes reflex excitability of cord. Diminishes uric acid and urea. Stimulates uterus. *Specific for malaria.*

Uses. *Ext.* Injections—1-4000-500—in amoebic dysentery. *Int.* Stomachic. Tonic. Malarial paroxysms and other malarial manifestations, *e.g.*, neuralgia. Antipyretic. In inflammations generally.

Cautions. Do not give in: 1. Middle-ear disease. 2. Gastro-enteritis. 3. To persons with idiosyncrasy for.

CINNAMOMUM SAIGONICUM :

C. Zeylanicum.

Pulv. aromaticus.....	10-30 gr.
Tr. c.....	1-2 dr.
Ext. aromaticum fl.....	10-30 ml.

Cinnamomum Cassia:

Oleum c.....	1-5 ml.
Aqua c.....	½-1 oz.
Spr. c.....	10-30 ml.

Actions and uses. Stomachic and carminative.

COCA (<i>erythroxylon</i>).....	1-4 dr.
Ext. c.	1-4 dr.
Cocainæ hydrochloras.....	½-2 gr.

Actions. *Ext.* Local anæsthetic. *Int.* Local anæsthetic, stomach. Antemetic. Vagus depressed. Cerebral stimulant. Respiratory centre stimulated, then depressed. Mydriatic. Accommodation partially paralyzed.

Uses. As local anæsthetic. Gastric pain, vomiting, seasickness.

COCCUS (*cochineal*):

Use. Coloring agent.

COLCHICUM:

C. radix.....	2-8 gr.
Ext. c. r.....	½-2 gr.
Ext. c. r. fl.....	2-8 ℥.
Vinum c. r.....	5-15 ℥.
C. semen.....	1-5 gr.
Ext. c. s. fl.....	1-5 ℥.
Tr. c. s.....	10-30 ℥.
Vinum c. s.....	10-30 ℥.

Actions. *Ext.* Irritant. *Int.* Specific for gout. Gastro-intestinal irritant—prostration.

Use. Gout and goutiness, including eczema, headache, bronchitis, etc.

COLOCYNTHIS (<i>bitter calumba</i>).....	2-8 gr.
Ext. c.....	½-2 gr.
Ext. c. co.....	5-15 gr.
Pil. cath. co.....	1-3 pills.
Pil. cath. veg.....	1-5 "

Actions. Stomachic. Drastic, hydragogue cathartic. Gripes.

Uses. Not given alone. Hydragogue cathartic.

CONIUM (*hemlock*)..... 2-5 gr.

Ext. c..... $\frac{1}{2}$ -1 gr.

Ext. c. fl..... 2-5 fl.

Actions. Paralyzes vagus. Ascending paralysis—motor nerves. Mydriatic. Ptosis. Asphyxia.

Uses. Rarely used. Whooping-cough, tetanus, chorea, asthma, epilepsy.

CONVALLARIA (*lily of the valley*):

Ext. c. fl..... 5-30 fl.

Actions and uses. Like digitalis—not so powerful.

COPAIBA $\frac{1}{4}$ -1 dr.

Massa c. $\frac{1}{4}$ -1 dr.

Oleum c. 5-15 fl.

Resina c. 5-15 gr.

Actions. Of volatile oils generally. Disinfectant, expectorant, and diuretic.

Uses. Chiefly in gonorrhœa.

CORIANDRUM (*coriander*)..... 10-30 gr.

Ol. c. 2-5 fl.

Actions and uses. Of volatile oils.

COTO	1-10 gr.
Abstractum c.....	½-5 gr.
Tr. c.....	1-10 fl.
Ext. c. fl.....	2-6 fl.
Cotoin.....	1-2 gr.
Paracotoin.....	1-3 gr.

Uses. Diarrhoea, ordinary and typhoid or tubercular.
Night-sweats.

CREOLINUM	1-5 m.
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Action and use. Powerful, non-irritating antiseptic.

CREOSOTUM	½-2 fl.
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Aqua creosoti..... 1-4 dr.

Actions and uses. Gastric and intestinal antisep-
tic. Pulmonary tuberculosis.

CUBEBA (<i>cubeb</i>).....	30-60 gr.
Ext. c. fl.....	½-1 dr.
Oleoresina c.....	5-30 fl.
Tr. c.....	½-3 dr.
Troch. c. (āā ½ fl. oleores.).....	1-6
Oleum c.....	5-20 fl.

Actions. Of volatile oils. Disinfecting expectorant
and diuretic.

Uses. In cigarettes for bronchitis, asthma, etc.
Chronic cystitis, gonorrhoea, etc.

CUPRUM (copper):

C. sulphas (*bluestone*)..dose { astringent, $\frac{1}{8}$ — $\frac{1}{2}$ gr.
emetic.....2—20 gr.

Actions. *Ext.* Astringent. Caustic. *Int.* Astringent. Direct emetic.

Uses. *Ext.* Caustic and general astringent. *Int.* Emetic. Diarrhoea. Phosphorus-poisoning.

CURARE (*woorari, urari*)..... $\frac{1}{25}$ — $\frac{1}{2}$ gr.

Action. Paralyzes motor plates.

Use. Tetanus.

CUSSO (*kousso, brayera*)..... 2—4 dr.

Ext. c. fl...... 1—4 dr.

Coussin 20—40 gr.

Action and use. Anthelmintic for tapeworm.

DAMIANA..... $\frac{1}{2}$ —1 oz.

Action and use. Aphrodisiac.

DIGITALIS (*foxglove*)..... $\frac{1}{2}$ —3 gr.

Ext. d...... $\frac{1}{4}$ —1 gr.

Ext. d. fl...... $\frac{1}{2}$ —3 ml.

Inf. d. 1—4 dr.

Tr. d. 5—30 ml.

Digitalein..... subcut. $\frac{1}{100}$ gr.

Digitonin $\frac{1}{300}$ — $\frac{1}{100}$ gr.

Digitalin.

Digitoxin.

Actions. Gastro-intestinal irritant. Prolongs diastole, slows rate, increases force, regulates heart. Action direct. Contracts blood-vessels. Action direct and indirect. Raises blood-pressure. Diuretic.

Uses. *Mitral regurgitation.* Mitral obstruction. Aortic obstruction. Tricuspid disease. Cardiac dilatation. In and after acute diseases. Palpitation. Exophthalmic goitre. Hemorrhage. Chronic alcoholism. Acute and chronic nephritis.

Caution. Do not use in disease of cardiac muscle—*e.g.*, fatty, fibroid.

DIURETIN..... 15-30 gr.

Action and use. Diuretic.

DUBOISINÆ SULPHAS (*alkaloid from duboisia myoporoides*) :

Action. Like atropine.

Use. Mydriatic— $\frac{1}{5000}$ grain disc.

ELASTICA (*india-rubber, caoutchouc*) :

Uses. Plasters, pessaries, syringes, etc.

ELATERINUM..... $\frac{1}{20}-\frac{1}{12}$ gr.

Trituratio e..... $\frac{1}{2}-1$ gr.

Actions. The most powerful hydragogue. Gripes. Much prostration.

Uses. As powerful hydragogue cathartic.

ERGOTA	30-60 gr.
Ext. e. fl.	½-1 dr.
Ext. e.	5-15 gr.
Vinum e.	1-4 dr.

Actions. Cardiac depressant. Vaso-constrictor. Hemostatic. Ecbolic. Secretions diminished.

Uses. Cautiously in labor. Post-partum hemorrhage. Hemoptysis. Hematemesis. Antigalactagogue.

ETHYL CHLORIDE.

Use. Spray for local anaesthesia, freezing. Anodyne.

EUCALYPTUS	½-2 dr.
Ext. e. fl.	½-2 dr.
Oleum e.	5-30 ml.
Eucalyptol	5-30 ml.

Actions. *Ext.* Antiseptic, disinfectant. *Int.* Stomachic. Stimulates heart. Antipyretic and anti-periodic. Disinfecting expectorant and diuretic. Diaphoretic.

Uses. *Ext.* As antiseptic. *Int.* Diphtheria. Fetid bronchitis, cystitis, pyelitis.

EUONYMUS (<i>wahoo, spindle tree</i>).....	1-2 dr.
Ext. e.	1-5 gr.

Action and use. Cholagogue purgative.

EUROPHEN.**Action and use.** Antiseptic.**EXALGINUM**..... $\frac{1}{2}$ -3 gr.**Action and use.** Analgesic.**FABIANA** (*pichi*):

Ext. f. fl. 1-40 ml.

Use. Inflammations of g.-u. tract.**FEL BOVIS** (*fel tauri, ox-gall*)..... 5-15 gr.

F. b. purificatum..... 5-15 gr.

Actions and uses. Cholagogue purgative. Intestinal antiseptic (?). Enema.**FERRUM** (*iron*):

Ferrum reductum..... 1-5 gr.

F. sulphas..... $\frac{1}{2}$ -2 gr.F. sulphas exsiccatus..... $\frac{1}{2}$ -2 gr.F. " granulatus..... $\frac{1}{2}$ -2 gr.Mistura f. co. (*Griffith's mixture*).. 2-4 dr.Pilulæ f. co. (*Blaud's pills*)..... 1-2 pills.

F. carbonas saccharatus..... 2-10 gr.

Massa f. carbonatis (*Vallet's mass*).... 1-5 gr.

F. iodidum saccharatum..... 5-15 gr.

Syrupus f. iodidi..... 5-30 ml.

Pilulæ f. iodidi..... 1-2 pills.

F. lactas.....	1-5	gr.
F. chloridum.		
Liquor f. chloridi.....	2-10	fl.
Tr. f. chloridi.....	5-60	fl.
Liq. f. et ammonii acetatis (<i>Basham's mixture</i>).....	1-4	dr.
Liquor f. tersulphatis.		
" f. nitratis.....	2-10	fl.
" f. subsulphatis (<i>Monsel's solution</i>).....	2-10	fl.
" f. citratis.....	5-15	fl.
" f. acetatis.....	2-10	fl.
F. oxidum hydratum.....	1-4	dr.
Emplastrum ferri.		
Trochisci "	1-2	
F. oxidum hydratum cum magnesia.....	1-4	dr.
Ferri et ammonii sulphas.....	2-10	gr.

Scale preparations:

F. phosphas solubilis	1-5	gr.
Syrupus f., quininæ et strychninæ · phosphatum.....	½-1	dr.
F. et potassii tartras.....	5-15	gr.
" " ammonii citras.....	1-5	gr.
Vinum f. citratis.....	1-2	dr.
F. et strychninæ citras.....	1-3	gr.
" " ammonii tartras.....	5-15	gr.
F. citras.....	1-5	gr.

F. et quininæ citras.....	2-10 gr.
“ “ “ solubilis.....	2-10 gr.
Vinum f. amarum.....	1-4 dr.
F. pyrophosphas solubilis.....	1-5 gr.

Actions. *Ext.* Ferric salts, astringent, hemostatic.

Int. Astringent and hemostatic in mouth, stomach. Constipates. Hematinic.

Uses. *Ext.* As astringent and hemostatic. *Int.* Tonsillitis, etc. Gastric hemorrhage. Chlorosis. Secondary anæmias. Arsenic-poisoning. Injection for threadworms. Rheumatoid arthritis. Erysipelas. Diphtheria. Chloride as diuretic in Bright's.

FERRUM DIALYSATUM..... 10-30 ml.

Use. Arsenic-poisoning.

FICUS (fig)..... freely.

Use. Mild purgative.

FORMALDEHYDE (formalin):

Commercial preparation is a 40% solution of the gas.

Uses. *Ext.* Antiseptic and disinfectant for inanimate objects. Hardening agent in histological technique.

FRANGULA (buckthorn)..... $\frac{1}{2}$ -1 dr.

Ext. f. fl...... $\frac{1}{2}$ -2 dr.

Action and use. Mild purgative.

GALLA (*nutgall*), tannic acid 50-60%.

Tr. g.....	1-2 dr.
Ung. g.....	20%.

Actions and uses. See tannic acid.

GELSEMIUM (<i>yellow jasmine</i>).....	5-10 gr.
Ext. g. fl.....	5-10 fl.
Tr. g.....	1/4-1 dr.
Gelsemina.....	1/6-1/20 gr.

Actions. Paralysis from depression of anterior cornua. Depression of sensory tracts (?). Mydriatic. Diplopia. Asphyxia.

Uses. Neuralgia, migraine. Mydriatic.

GENTIANA (<i>gentian</i>).....	5-30 gr.
Ext. g.....	2-10 gr.
Ext. g. fl.....	5-30 fl.
Tr. g. co.....	1-4 dr.

Action and use. Stomachic bitter.

GLONOIN. See Spirit of.

GLYCERINUM	5-60 fl.
Glyceritum amyli.....	freely.
“ vitelli	“
Suppositoria glycerini.....	p. r. n.

Actions. *Ext.* Solvent, vehicle. *Int.* Purges. Demulcent.

Uses. *Ext.* Vehicle. Chapped hands. *Int.* As enema or suppository.

GLYCYRRHIZA (*licorice root*):

Ext. g.	freely.
Ext. g. purum.	"
Ext. g. fl.	1 dr.
Glycyrrhizinum ammoniatum	5-15 gr.
Pulv. g. co.	$\frac{1}{2}$ -2 dr.
Mist. g. co. (<i>Brown mixture</i>)	1-4 dr.

Uses. Demulcent, vehicle. Pulv. g. co. as laxative. Mist. g. co. as expectorant.

GOSSYPII RADICIS CORTEX (<i>cotton root bark</i>)	$\frac{1}{4}$ -1 dr.
Ext. g. r. fl.	$\frac{1}{4}$ -1 dr.

Actions and uses. Like ergot.

GOSSYPIUM PURIFICATUM (*absorbent cotton*).

GRANATUM (<i>pomegranate</i>)	$\frac{1}{2}$ -1 $\frac{1}{2}$ dr.
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Actions and uses. Astringent. Anthelmintic for tapeworm.

GRINDELIA	$\frac{1}{4}$ -1 dr.
Ext. g. fl.	$\frac{1}{4}$ -1 dr.

Actions. Expectorant. Relaxes muscle of bronchial tubes.

Uses. *Ext.* Poison ivy. *Int.* Asthma, chronic bronchitis with asthmatic symptoms.

GUAIACOLUM	2-10 ml.
G. benzoas.....	2-10 gr.
G. carbonas.....	5-30 gr.
G. salicylas.....	5-30 ml.

Actions and uses. Like creosote. Less of a gastro intestinal irritant.

GUAIACUM :

G. lignum (<i>lignum vitae</i>).....	$\frac{1}{4}$ -1 dr.
G. resina (<i>guaiac</i>).....	5-30 gr.
Tr. g.....	$\frac{1}{2}$ -1 dr.
Tr. g. ammoniata	$\frac{1}{2}$ -1 dr.

Actions. Stomachic, increases peristalsis. Purgative.

Uses. Mild purgative. Empirically for sore throat and chronic rheumatism.

GUARANA (<i>Brazilian cocoa</i>)	$\frac{1}{4}$ -1 dr.
Ext. g. fl.....	$\frac{1}{4}$ -1 dr.

Action. Like caffeine.

Use. Chiefly sick headache.

GUTTA PERCHA.

Liq. gutta percha.

Uses. Making splints.

HÆMATOXYLON (*logwood*):

Ext. h. 5-15 gr.

Action and use. *Ext.* and *int.* Astringent.

HAMAMELIS (*witchhazel*):

Ext. h. fl. $\frac{1}{2}$ -2 dr. i

Action and use. *Ext.* and *int.* Astringent.

HEDEOMA (*pennyroyal*):

Oleum h. 1-5 ml.

Actions and uses. Of volatile oils.

HIRUDO (*leech*):

Use. To draw blood.

HOMATROPINÆ HYDROBROMAS,

$\frac{1}{120}$ - $\frac{1}{20}$ subcutaneously.

Actions and uses. Like atropine.

HUMULUS (*hops*):

Tr. humuli. 1-2 dr.

Lupulin. 5-30 gr.

Ext. l. fl. 5-30 ml.

Oleores. l. 1-5 gr.

Actions. Stomachic, tonic, carminative, soporific, narcotic.

Uses. Dyspepsia, insomnia, delirium tremens.

HYDRARGYRUM (mercury) :**Actions in common of all preparations.** *Ext.*

Stimulating, irritant to caustic. Nearly all, anti-parasitic and antiseptic. Relieve itching. Absorbed by skin ; by lungs in form of vapor. *Int.* Gastro-intestinal irritants in varying degrees. Converted into complex albuminate in stomach, becoming an oxyalbuminate in blood. Large doses produce anaemia. Indirect cholagogues. Excreted in saliva, bile, urine, milk, sweat. May salivate. *Specific for syphilis.*

FOR EXTERNAL USE ONLY.

Empl. ammoniaci cum h.

Empl. h.

Use. Local application.

Ung. h..... 50%.

Actions. Antiparasitic. When absorbed, like other mercurials.

Uses. Antiparasitic. Application to syphilitic and other sores. Inunction for chronic joint and other inflammations ; enlarged lymph nodes ; to rapidly mercurialize.

H. ammoniatum (*white precipitate*).

Ung. h. ammon. (*white precipitate ointment*).

Uses. Antiparasitic. Syphilitic and other sores.

H. oxidum. flavum.

Ung. oxidi flavi.

Uses. Syphilitic and other sores.

Oleatum h.

Uses. Antiparasitic. Inunction.

Ung. h. oxidi rubri (*red precipitate ointment*).

Uses. Antiparasitic. Syphilitic and other sores.

Liq. h. nitratis.

Uses. Caustic for syphilitic warts, condylomata, etc.

Ung. h. nitratis (*citrine ointment*).

Uses. Caustic. Diluted, antiparasitic. Syphilitic and other sores.

FOR INTERNAL AND EXTERNAL USE.

H. cum creta (*mercury with chalk*), 38% . . . $\frac{1}{2}$ -10 gr.

Massa h. (*blue mass, blue pill*), 33% $\frac{1}{2}$ -15 gr.

Actions. *Int.* Laxatives or purgatives. Indirect cholagogues.

Uses. Chiefly as laxatives or purgatives or cholagogues. Mercury with chalk for vomiting, hepatic congestion, cirrhosis, diarrhoea. Blue mass in diuretic pill or for syphilis.

H. chloridum mite (*calomel*) $\frac{1}{10}$ -10 gr.

Pil. cath. co. 1-3 pills.

Pil. antimonii co. (*Plummer's*) 1-3 pills.

Lotio nigra (*black wash*), not official 4 gr. to 1 oz.

Actions. *Ext.* Mildly irritant and stimulant. Absorbed by skin, by lungs. *Int.* Laxative and purgative—duodenum and jejunum—spinach-green or dark stools. Gipes. Indirect cholagogue—partly converted to bichloride, hence also direct.

Uses. *Ext.* Stimulant for syphilitic and non-syphilitic sores. Itching. Vapor bath in syphilis. *Int.* As general laxative or purgative—at night, saline in morning. Vomiting from congestion of stomach. Congestion of liver, functional or organic. Cirrhosis. Diarrhoea. Diuretic in small doses or in “diuretic” pill (calomel, squill, digitalis, $\frac{1}{2}$ gr. 1). Rarely for syphilis.

H. chloridum corrosivum (*corrosive chloride, bichloride*)..... $\frac{1}{60}$ — $\frac{1}{10}$ gr.
Lotio flava (*yellow wash*), not official, 1 gr. to 1 oz.

Actions. *Ext.* Antiseptic, disinfectant, antiparasitic—1-70000-500. Absorbed by skin, by lungs. *Int.* Gastro-intestinal irritant. Produces anaemia in large doses. Direct cholagogue.

Uses. *Ext.* As general antiseptic and parasiticide. Yellow wash for itching and syphilitic sores. *Int.* Alone or with potassium iodide for syphilis—2d or 3d stage. To absorb non-syphilitic, chronic, inflammatory formations—e.g., interstitial nephritis.

H. iodidum flavum (*yellow, green, or protiodide*)..... $\frac{1}{6}$ —1 gr.
H. iodidum rubrum (*red or biniodide*).. $\frac{1}{60}$ — $\frac{1}{10}$ gr.
Liq. arseni et h. i. (*Donovan's solution*),
1% of each..... 1-10 ml.

H. oxidum rubrum (*red precipitate*).... $\frac{1}{4}$ -1 gr.
 H. cyanidum.

Uses. Chiefly internally for syphilis. Donovan's solution as alterative.

H. subsulphas flavus (*turpeth mineral*)... 2-4 gr.

Use. As emetic.

MODES OF ADMINISTRATION.

1. Inunction—blue ointment and oleate chiefly.
2. Endermically—calomel.
3. Hypodermically—bichloride.
4. Fumigation—calomel chiefly.
5. Suppositories—blue ointment chiefly.
6. Baths—rarely—bichloride in water.
7. Inhalation—rarely.
8. Internally—most usual—any preparation for internal use.

HYDRASTIS (*golden seal*)..... 5-60 gr.
 Ext. h. fl..... 5-60 ml.
 Tr. h..... $\frac{1}{2}$ -2 dr.
 Glyceritum hydrastis 5-60 ml.
 Hydrastininæ hydrochloras..... $\frac{1}{2}$ - $\frac{1}{8}$ gr.
 Berberine.

Actions. Stomachic. Cholagogue. Diuretic. Stimulates involuntary muscle. Antiperiodic.

Uses. *Ext.* Lotion in chronic inflammations. Injection in leucorrhœa, etc. *Int.* Chronic inflammations of mucous membranes. Menorrhagia, metrorrhagia. Malaria.

HYOSCYAMUS (<i>henbane</i>).....	5-15	gr.
Ext. h.....	½-2	gr.
Ext. h. fl.....	5-15	fl.
Tr. h.....	1-4	dr.
Hyoscyaminæ sulphas.....	$\frac{1}{60}-\frac{1}{30}$	gr.
" hydrobromas....	$\frac{1}{60}-\frac{1}{30}$	gr.
Hyoscinæ "	$\frac{1}{150}-\frac{1}{100}$	gr.

Actions. Like belladonna and stramonium. Differences: 1. Cerebral and spinal sedative. 2. Relieves griping better. 3. Relaxes muscle of urinary tract more.

Uses. Chiefly with other purgatives and for vesical and urethral spasm, cystitis, etc. Hyoscine for acute mania, delirium tremens. Chorea, paralysis agitans, etc. Hyoscyamine for sea-sickness.

HYPNAL (*chloral and antipyrin*)..... 15 gr.

Actions and uses. Hypnotic and analgesic.

HYPOPHOSPHITES:

Calcii hypophosphis.....	2-5	gr.
Sodii "	5-20	gr.
Potassii "	5-20	gr.
Syr. hypophosphitum.....	1-2	dr.
" " cum ferro... .	1-2	dr.

Zinci phosphidum..... $\frac{1}{10}-\frac{1}{8}$ gr.
 Acidum hypophosphorosum dilutum.

Actions and uses. Chronic bronchitis. Pulmonary tuberculosis. Reconstructive.

ICHTHYOCOLLA (*isinglass*)..... freely.
 Empl. i. (*court plaster*).

Uses. Emollient and protective.

ICHTHYOL 10-20 gr.

Uses. *Ext.* Chronic eczema and psoriasis *Int.* Chronic rheumatism.

IODOFORMUM..... 1-3 gr.
 Ung. iodoformi..... 10%.

Actions and uses. *Ext.* Antiseptic, disinfectant, analgesic. *Int.* Unknown.

IODOLUM $\frac{1}{2}$ -3 gr.

Action and use. Like iodoform. Sometimes used internally.

IODUM :

Liq. iodi co. (*Lugol's solution*) I 5%, KI 10%..1-10 ml.
 Tr. iodi, 7%..... 1-5 ml.
 Ung. iodi, 4%.

Actions. *Ext.* Disinfectant. Irritant, counter-irritant. Parasiticide. *Int.* Sometimes antemetic.

Uses. *Ext.* Chiefly as irritants and counter-irritants. *Int.* Vomiting (1 ℥ well diluted).

Potassii iodidum.....	5-60 gr. +
Syr. acidi hydriodici.....	½-1 dr.
Ung. potassii iodidi.	
Sodii iodidum.....	5-30 gr. +
Ammonii "	2-10 gr. +
Strontii "	5-30 gr.
Zinci "	1-3 gr.

Actions. Profoundly affect nutrition—not known how.

Uses. Third stage of syphilis. Rheumatoid arthritis. Gonorrhœal rheumatism. To absorb connective tissue. Inflammatory exudates, as pleurisy and pericarditis. Aneurism. Chronic bronchitis. Asthma. Chronic lead and mercurial poisoning.

IPECACUANHA (*ippecac*),

dose	{ expectorant, ½-2 gr. emetic.....15-30 gr.
Ext. i. fl.....	1-5 ℥.
Troch. i., ½ gr.....	1-6
Pulv. i. et opii (<i>Dover's powder</i>), 10%.....	3-15 gr.
Troch. morphinæ et i., ¼ gr.....	1-5
Syr. i.....	5 ℥. to 2 dr.
Tr. i. et opii, 10%.....	3-15 ℥.
Vinum i.....	1-60 ℥.

Actions. *Ext.* Irritant. Antiseptic. *Int.* Stomachic, emetic (direct and indirect). Expectorant. Cholagogue. Diaphoretic.

Uses. *Ext.* Anthrax. *Int.* Stomachic. Vomiting of pregnancy. Gastric ulcer. Slow emetic in bronchitis, etc., in children. Dysentery. Hepatic dyspepsia. Bronchitis, asthma. Diaphoretic.

IRIDIN (*irisin, from blue flag*) 1-5 gr.

Action and use. Cholagogue.

IRIS (*blue flag*) 10-30 gr.

Ext. i. 1-3 gr.

Ext. i. fl. 10-30 fl.

Action and use. Cholagogue purgative.

JALAPA 5-20 gr.

Ext. j. 2-8 gr.

Pulv. j. co. $\frac{1}{4}$ -1 dr.

Res. j. 1-5 gr.

Action. Hydragogue cathartic.

Uses. Nephritis, uræmia, dropsy, etc.

JEQUIRITY.

Action. *Ext.* Intense local inflammation, with constitutional reaction.

Uses. Granular lids. Certain skin diseases. Lupus, Epithelioma, etc.

JUGLANS (<i>butternut</i>).....	1-2	dr.
Ext. j.....	5-30	gr.

Action and use. Mild cathartic. Resembles rhubarb.

KAMALA (<i>rottlera</i>).....	1-2	dr.
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Actions and uses. Anthelmintic for tapeworm, threadworm, roundworm. Purgative.

KRAMERIA (<i>rhatany</i>)	5-30	gr.
Ext. k.....	5-10	gr.
Ext. k. fl.....	5-30	fl.
Tr. k.....	½-2	dr.
Troch. k. (1 gr.).....	1-5	
Syr. k.....	½-4	dr.

Actions and use. Ext. and int. Astringent. Sore throat, epistaxis, gonorrhœa, diarrhœa, etc.

LACTUCARIUM (<i>lettuce</i>).....	5-60	gr.
Tr. 1.....	½-2	dr.
Syr. 1.....	1-4	dr.

Action and use. Hypnotic. Mydriatic.

LIMONIS CORTEX (*lemon peel*):

Spr. 1.....	½-2	dr.
Oleum 1.		

Uses. Vehicle. Flavoring agent.

LIMONIS SUCCUS (*lemon juice*) 1-2 oz.

Action. Like citric acid.

Uses. Thirst. Effervescing mixtures. Scurvy.

LINUM (*linseed*):

Oleum 1 $\frac{1}{2}$ -2 oz.

Uses. Poultice. Burns. Demulcent.

LITHIUM.

L. carbonas 2-10 gr.

L. citras 5-20 gr.

L. citras effervescent 10-45 gr.

Actions and uses. Solvents of uric acid, diuretics, and alkalinizers of the urine in gout and allied conditions.

LOBELIA 1-10 gr.

Ext. 1. fl 1-10 fl.

Tr. 1 5-30 fl.

Actions. Gastro-intestinal irritant, with intense prostration. Relaxes muscle of bronchial tubes.

Uses. Asthma, and bronchitis with asthmatic symptoms.

LYCOPodium.

Uses. Dusting powder, etc.

LYSOLUM.

Action and use. Antiseptic.

MACIS (mace)...... 5-20 gr.

Action and use. Like volatile oils.

MAGNESIUM :

M. sulphas (<i>Epsom salt</i>).....	$\frac{1}{4}$ -1	oz.
M. carbonas.....	$\frac{1}{2}$ -2	dr.
M. citras effervescens.....	$\frac{1}{4}$ -1	oz.
Liquor magnesii citratis.....	2-8	oz.
Magnesia ponderosa.....	5-60	gr.
Magnesia.....	5-60	gr.

Actions. Magnesia and magnesium carbonate, antacid. Sulphate, carbonate, and citrate, saline purgatives. Diuretic ; alkalinize blood and urine (feeble).

Uses. As alkalies and antacid. Antidote to mineral acids, oxalic acid, salts of mercury, arsenic, copper, and alkaloids. Sulphate antidote to lead and barium. Purgatives. Gout and gravel.

MALTUM :

Ext. m..... 1-4 dr.

Action and use. Food.

MANGANUM :

M. dioxidum.....	2-10 gr.
M. sulphas.....	2-8 gr.
Potassii permanganas.....	½-2 gr.

Actions. *Ext.* Disinfectant, deodorant, antiseptic.
Int. Not known.

Uses. *Ext.* As above. Salivation, gonorrhœa, leucorrhœa, uterine disease, etc. *Int.* As hematinic. Amenorrhœa.

MANNA $\frac{1}{2}$ -2 oz.

Use. Laxative.

MASTICHE (*mastic*):

Pil. aloes et m. ("Lady Webster").... 1-3 pills.

Uses. Mastic, for varnishes, etc. Pil. aloes et m. as laxative.

MATRICARIA (*Ger. chamomile*)..... $\frac{1}{4}$ -1 dr.

Action and use. Stomachic bitter.

MEL (*honey*):

M. despumatum..... freely.

Uses. Demulcent. In cough mixtures. Laxative in children.

MELISSA (*balm*)..... 1-2 dr.

Use. Flavoring agent.

MENTHA PIPERITA (*peppermint*):

Spr. m. p.....	5-15 ml.
Ol. m. p.....	1-5 ml.
Aqua m. p.....	½-2 oz. .
Troch. m. p.....	freely.

Actions. *Ext.* Of volatile oils. Anodyne. *Int.* Stomachic, carminative.

Uses. *Ext.* Neuralgia. *Int.* Carminative, stomachic, flavoring agent.

MENTHA VIRIDIS (*spearmint*):

Spr. m. v.....	5-15 ml.
Ol. m. v.....	1-5 ml.
Aqua m. v.....	½-2 oz.

Actions and uses Of peppermint.

MENTHOL (*from peppermint*)..... ½-2 gr.

Actions. Antiseptic, local anaesthetic, anodyne.

Uses. Spray in common cold. Neuralgia. Asthma.

METHYL CHLORIDE.

Use. Spray for local anaesthesia, freezing. Anodyne.

METHYLENE BLUE..... 1-5 gr.

Action and uses: Rheumatism, myalgia. Vesical irritation.

METHYLENUM DICHLORIDUM.

Action and use. General anæsthetic.

METHYL SALICYLAS (*artificial oil of winter-green*)..... 1-5 ℥.

Actions and uses. Like salicylic acid.

MOSCHUS (*musk*)..... 2-10 gr.

Tr. m..... $\frac{1}{2}$ -1 dr.

Action. Diffusible stimulant.

Uses. Collapse, fainting, etc. Typhoid, pneumonia. Hysteria.

MUSCARINA (*alkaloid from amanita muscaria, fly fungus*)..... $\frac{1}{8}$ -2 gr.

Action. Like Calabar bean. Decreases force and frequency of heart. Lengthens diastole. Produces dyspnoea, paralysis. Sialagogue. Diaphoretic. Stimulates involuntary muscle.

Uses. Rarely used. To increase peristalsis. Inflammatory exudates.

MYRISTICA (*nutmeg*)..... 5-15 gr.

Oleum m..... 1-3 ℥.

Spr. m..... $\frac{1}{2}$ -1 dr.

Action and use. Like volatile oils.

MYRRHA	5-30	gr.
Tr. m.	$\frac{1}{4}$ -1	dr.
Tr. aloes et m.	1-2 $\frac{1}{2}$	dr.
Pil. aloes et m.	2-10	pills.

Actions and uses. Of volatile oils. Expectorant, uterine stimulant, emmenagogue.

NAPHTALINUM	1-20	gr.
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Action. Local.

Uses. Intestinal ulcerations—dysentery, typhoid, tubercular.

NAPHTOL (<i>beta-naphthol</i>)	1-20	gr.
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Action and use. External and internal antiseptic.

NITROGLYCERINE. See Spirit of gloinoin.

NUX VOMICA (<i>poison nut, dogbutton</i>)	1-4	gr.
Ext. n. v.	$\frac{1}{8}$ -1	gr.
Ext. n. v. fl.	1-4	ml.
Tr. n. v.	5-20	ml.
Strychnina.	$\frac{1}{60}$ - $\frac{1}{20}$	gr.
S. sulphas.	$\frac{1}{60}$ - $\frac{1}{12}$	gr.

Actions. Stomachic, increases peristalsis. Direct cardiac stimulant. Blood-pressure raised. Stimulates respiratory and vaso-motor centres. Spinal convulsions. Sharpens sight and hearing.

Uses. As stomachic and carminative. Constipation. General cardiac stimulant. Respiratory stimulant.

OLEUM BETULÆ VOLATILE..... 1-5 fl.

Actions and uses. Like salicylic acid.

OLEUM CADINUM:

Action and use. Like tar. Skin diseases, *e.g.*, psoriasis, chronic eczema, pruritus.

OLEUM GAULTHERIÆ (*oil of wintergreen*),

1-5 fl.

Spr. g..... 1-2 dr.

Actions and uses. Like salicylic acid.

OLEUM GOSSYPII SEMINIS (*cotton-seed oil*).

Uses. As other fixed or neutral oils.

OLEUM JUNIPERI..... 2-10 fl.

Spr. j..... $\frac{1}{2}$ -1 dr.

Spr. j. co..... 1-4 dr.

Actions. Like turpentine.

Use. Diuretic in heart disease, ascites, nephritis.

OLEUM LAVANDULÆ FLORUM (*oil of lavender flowers*)..... 1-4 fl.

Spr. 1..... $\frac{1}{2}$ -1 dr.

Tr. 1. co..... $\frac{1}{2}$ -1 dr.

Actions and uses. Stomachic, carminative, flavoring agent.

OLEUM MORRHUÆ (*cod-liver oil*)..... 1-4 dr.

Action. *Ext.* Bland oil. *Int.* Easily absorbed food.

Uses. Pulmonary tuberculosis. Rickets. Chronic bronchitis. Chronic wasting diseases. Tertiary syphilis, etc.

Contra-indications in pulmonary tuberculosis: 1. High temperature. 2. Severe hemoptysis. 3. Dyspepsia. 4. Vomiting. 5. Diarrhoea.

OLEUM OLIVÆ (*olive oil*)..... freely.

Actions. *Ext.* Protective. In massage. *Int.* Protective. Sedative. Laxative.

Uses. *Ext.* Burns. *Int.* Corrosive poisoning. Gall stones. In enemata.

OLEUM PINI SYLVESTRIS (*fir-wood oil*).

Action and uses. Like turpentine. Pleasanter.

OLEUM RICINI (*castor oil*)..... $\frac{1}{2}$ -2 oz.

Actions. *Ext.* Protective. Galactagogue. *Int.* Simple laxative or mild purgative—5 hrs.

Uses. Universal laxative or mild purgative. Galactagogue.

OLEUM RUTÆ (*oil of rue*)..... 1-4 fl. oz.

Actions. *Ext.* Irritant, vesicant. *Int.* Gastro-intestinal, renal, ovarian, and uterine irritant.

Uses. Rarely given.

OLEUM SANTALI (*sandal-wood*)..... 2-10 ml.

Actions. Of volatile oils. Stimulating disinfectant, expectorant, and diuretic.

Uses. Gonorrhœa, etc. Chronic bronchitis.

OLEUM TEREBINTHINÆ (*oil of turpentine*),

dose	{	5-30 ml.
		anthelmintic, $\frac{1}{2}$ -4 dr.
Ol. t. rect.	.....	dose { 5-30 ml.
		anthelmintic, $\frac{1}{2}$ -4 dr.
Lin. t.		

Actions. *Ext.* Rubefacient, irritant, counter-irritant. Antiseptic. Disinfectant. *Int.* Stomachic, carminative; purgative in large doses. Anthelmintic to tapeworm; to threadworm as enema. Cardiac stimulant, directly, and reflexly from stomach. Vaso-constrictor. Raises blood-pressure. Depresses nervous system in large doses. Powerful expectorant. Stimulates g.-u. mucous membrane. Hematuria. Urine smells of violets. Phosphorus-poisoning.

Uses. *Ext.* Bronchitis, pleurisy, etc. Neuralgia, myalgia, etc. *Int.* Anthelmintic. Gastric and intestinal hemorrhage. Hemoptysis. Pulmonary gangrene. Chronic bronchitis.

OLEUM THEOBROMATIS (*cacao butter*).

Use. Making suppositories.

OLEUM THYMI..... 1-5 ml.

Actions. Like copaiba.

Uses. Bronchitis. Gonorrhœa, leucorrhœa, etc

OLEUM TIGLII (*croton oil*)..... $\frac{1}{4}$ -2 ml.

Actions. *Ext.* Powerful irritant. Pustulation. *Int.* Powerful purgative—1-2 hrs. Produces enteritis.

Uses. *Ext.* Rarely used now. *Int.* Purgative in obstinate constipation, faecal impaction, etc. Apoplexy.

Cautions. Do not give to: 1. Children. 2. Pregnant women. 3. Feeble persons. 4. In hemorrhoids. 5. Peritonitis. 6. Gastritis. 7. Enteritis.

OPIUM (*from poppy*)..... $\frac{1}{4}$ -2 gr.

Alkaloids:

Morphine, codeine, thebaine, narcotine, narceine, and 14 others.

Opii pulvis..... $\frac{1}{4}$ -2 gr.

Ext. o..... $\frac{1}{8}$ -1 gr.

Empl. o.

Troch. glycyrrhizæ et o..... 1-4

Vinum o. (*Sydenham's laudanum*),

10%..... 3-20 ml.

Pil. o., ââ 1 gr..... 1-2 pills.

Pulv. o. et ipecacuanhæ (*Dover's powder*), 10%..... 3-15 gr.

Acetum o. (*black drop*), 10%..... 3-20 ml.

Tr. o. (<i>laudanum</i>), 10%	3-20	fl.
Tr. o. camphorata (<i>paregoric</i>), 0.4%, 1-4	dr.	
O. deodoratum	1/4-2	gr.
Tr. o. deod., 10%	3-20	fl.
Tr. ipecac. et o.	3-15	fl.
 Morphina	1/8-1/4	gr.
M. hydrochloras	1/8-1/4	gr.
M. acetas	1/8-1/4	gr.
M. sulphas	1/8-1/4	gr.
 Pulv. m. co. (<i>Tully's powder</i>),		
1 gr. to 1 dr.	5-15	gr.
Troch. m. et ipecac., $\frac{1}{40}$ gr.	1-5	
Magendie's solution: morphia sulphate, 16 gr.; water, 1 oz.		
U. S. Ph. solution: morphia sulphate, 1 gr.; water, 1 oz.		

Actions. *Ext.* Local anodyne. Absorbed by raw surfaces. *Int.* Stimulates heart. Slows pulse. First excites, then calms psychic centres. Narcotic. Produces sleep. Abolishes pain. Depresses respiratory centre, slowing respiration. Depresses anterior cornua. Decreases all secretions except sweat. Diaphoretic. Antispasmodic. Myotic—"pinhole pupil." Diminishes sugar in some cases of diabetes.

Uses. *Ext.* Anodyne. *Int.* General anodyne. Gastric or intestinal pain. Diarrhoea. Cardiac or aneurismal pain. Insomnia in selected cases. In cough mixtures. Diaphoretic in common cold.

Antispasmodic in renal and biliary colic. To stop peristalsis in peritonitis, etc. Diabetes.

Cautions. 1. Beware of opium habit. 2. Give cautiously to children, and, 3, in kidney disease.

CODEINA..... $\frac{1}{4}$ -2 gr.

Actions. Like morphine. Excites cord, producing tremors. Depresses psychic centres less than morphine.

Uses. Analgesic. Cough mixtures. Diabetes.

OUABAIN..... $\frac{1}{500}$ gr.

Action. Local anæsthetic.

Use. Like cocaine.

PANCREATINUM..... 5-15 gr.

Uses. Artificial digestive agent.

PARALDEHYDUM..... $\frac{1}{4}$ -1 dr.

Action. Powerful hypnotic.

Uses. Hypnotic. Mania, melancholia.

PENTALUM.

Action and use. General anæsthetic.

PEPO (*pumpkin seed*)..... 1-3 oz.

Action and use. Anthelmintic for tapeworm.

PEPSINUM	5-60 gr.
P. saccharatum.....	5-60 gr.

Uses. Digestive agent in or outside of body.

PETROLATUM LIQUIDUM:

“	molle (soft).
“	spissum (hard).

Actions and uses. Protective and vehicle. Spray.

PHENACETINUM	5-10 gr.
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Actions. Antipyretic, analgesic. Cardiac depressant.

Uses. Reducing temperature. Neuralgic and other pains.

PHOSPHORUS	$\frac{1}{100}-\frac{1}{20}$ gr.
Oleum phosphoratum, 1%.....	1-5 ml.
Pilulæ p., $\frac{1}{100}$ gr.....	1-5 pills.
Spr. p.....	8-40 ml.
Elixir p.....	$\frac{1}{2}-2\frac{1}{2}$ dr.

Actions. *Int.* Increases strength of bones.

Uses. *Int.* Osteomalacia. Rickets. Ununited fracture. Alterative.

PHYSOSTIGMA (<i>Calabar bean</i>).....	$\frac{1}{2}-2$ gr.
Ext. p.....	$\frac{1}{10}-\frac{1}{2}$ gr.
Tr. p.....	10-30 ml.
Physostigminæ salicylas (<i>eserine s.</i>)	$\frac{1}{100}-\frac{1}{30}$ gr.
P. sulphas (<i>eserine s.</i>).....	$\frac{1}{100}-\frac{1}{30}$ gr.

Actions. Rate of heart slowed, force increased. Blood-pressure raised. Depresses anterior cornua. Sialagogue, hidrotic. Stimulates involuntary muscle. *Myotic, spasm of accommodation, decreases intraocular tension.*

Uses. Tetanus. Strychnia-poisoning. Chronic constipation. Vesical atony. Chronic bronchitis. As myotic. Glaucoma. Paralysis of iris and ciliary muscles.

PHYTOLACCÆ FRUCTUS (*pokeberry*)... 5-30 gr.

" **RADIX**..dose { emetic... 5-30 gr.
alterative, 1-5 gr.

Ext. p. radicis fl..... 5-30 ml.

Actions and uses. Emetic and purgative.

PICROTOXINUM..... $\frac{1}{120}-\frac{1}{60}$ gr.

Actions. *Ext.* Parasiticide. *Int.* Unknown. Poison.

Uses. *Ext.* Pediculi. *Int.* Sweats of pulmonary tuberculosis.

PILOCARPUS (*jaborandi*)..... 5-60 gr.

Ext. p. fl..... 5-60 ml.

Pilocarpinæ hydrochloras..... $\frac{1}{8}-\frac{1}{2}$ gr.

Actions. Cardiac depressant. Stimulates *all* secretions except bile. Powerful diaphoretic. Stimulates involuntary muscle. Myotic.

Uses. With caution. Nephritis. Antidote to belladonna-poisoning.

PIMENTA (<i>allspice</i>).....	5-30 gr.
Oleum p.....	1-5 ml.

Action and uses. Like caryophyllus.

PIPER (<i>black pepper</i>).....	5-20 gr.
Oleoresina p.....	1/4-1 gr.
Piperinum.....	1-10 gr.

Action and use. Like volatile oils.

PIPERAZINUM 8-15 gr.

Actions. Increases urea, diminishes uric acid, diuretic (?).

Uses. Gout, rheumatism.

PIX BURGUNDICA:

Empl. p. b.

Empl. picis cantharidatum.

Use. Basis for plasters.

PIX LIQUIDA (*tar*).....in pills 1/4-1 dr.

Syr. p. l..... 1-4 dr.

Ung. p. l.

Ol. p. l.

Actions. *Ext.* Like turpentine. *Int.* Stimulating, disinfectant, expectorant.

Uses. *Ext.* Chronic skin diseases. *Int.* Chronic bronchitis, pulmonary tuberculosis.

PLUMBUM (lead):

P. oxidum.

Emplastrum plumbi.

Unguentum diachylon.

P. acetas (*sugar of lead*)..... $\frac{1}{2}$ -5 gr.Liquor plumbi subacetatis (*Goulard's ext.*).Liquor plumbi subacetatis dilutus
(*lead water*).Ceratum plumbi subacetatis (*Goulard's cerate*).

P. carbonas.

Unguentum plumbi carbonatis.

P. nitras.

P. iodidum.

Unguentum plumbi iodidum.

Actions. Powerfully astringent. Hemostatic. Both int. and ext.

Uses. *Ext.* As general astringent. *Int.* Diarrhoea, gastric and intestinal hemorrhage.

PODOPHYLLUM (may-apple)..... 5-20 gr.

Ext. p..... 2-10

Ext. p. fl..... 5-20 ml.

Res. p. (*podophyllin*)..... $\frac{1}{8}$ -1 gr.

Actions. Cholagogue purgative—10 hrs. Gripe.

Use. As cholagogue purgative.

POTASSIUM:

Liquor potassæ..... 5-30 ℥ freely diluted.
 Potassa cum calce (*Vienna paste*).

Actions. *Ext.* and *int.* Irritant, caustic, antacid.
 Gastric sedative. Alkaline diuretic. General muscular depressant.

Uses. *Ext.* As a caustic. *Int.* Gastric sedative. Alkaline diuretic.

P. carbonas..... 5-30 gr.
 P. bicarbonas..... 5-60 gr.

Uses. Gastric sedative. Acid eructations.

P. acetas..... 5-60 gr.
 P. citras..... 5-30 gr.
 Liquor p. citratis..... 1-8 dr.
 P. citras effervescens..... 5-60 gr.

Actions. Diuretic, alkalinizer of urine, diaphoretic.

Uses. Gout, uric acid gravel, scurvy, diuretics generally.

P. sulphas..... $\frac{1}{2}$ -4 dr.
 P. bitartras (*cream of tartar*),
 dose { diuretic and refrigerant, 20-60 gr.
 { purgative..... $\frac{1}{2}$ -4 dr.

Actions. Saline purgatives. Sulphate a cholagogue.
 Bitartrate an alkaline diuretic and diaphoretic.

Uses. Sluggishness of bowels. Bitartrate as a general diuretic and diaphoretic.

P. nitrás (*saltpetre, nitre*)..... 5-20 gr.
Charta potassii nitratis.

Actions. Gastric irritant. Cardiac depressant. Diuretic. Diaphoretic.

Uses. Diuretic. Diaphoretic. Asthma.

P. chlorás..... 3-20 gr.
Trochisci potassii chloratis..... 1-6

Actions. Gastric irritant. Disintegrates red corpuscles. Paroxysmal hemoglobinuria. Death, heart failure.

Uses. Tonsillitis, stomatitis, pharyngitis.

All potassium salts are cardiac depressants.

Potassium salts are said to be hematinic.

All alkalies, given before meals, increase secretion of hydrochloric acid; given after meals, neutralize some of acid secreted.

PRUNUM..... freely.

Use. As laxative.

PRUNUS VIRGINIANA (*wild cherry*).... $\frac{1}{2}$ -1 dr.
Ext. p. V. fl..... $\frac{1}{2}$ -1 dr.
Infusum p. V..... 1-2 oz.
Syr. p. V..... 1-4 dr.

Action. Like dilute hydrocyanic acid.

Uses. Cough mixtures. Vehicle.

PULSATILLA..... 1-5 gr.**Action.** Like senega.**Uses.** Asthma. Chronic bronchitis. Orchitis, epididymitis.**PYROGALLOL** (*pyrogallic acid*).**Actions.** *Ext.* Irritant. Parasiticide.**Uses.** *Ext.* Do not apply over extensive surface. Chronic psoriasis. Chronic eczema. Ringworm.**PYROXYLINUM** (*guncotton*):Collodium (*collodion*).

" flexible.

" *cantharidatum* (*blistering collodion*).**Uses.** Protective and solvent.**QUASSIA :***Ext.* q..... $\frac{1}{2}$ -3 gr.*Ext.* q. fl..... $\frac{1}{4}$ -1 dr.*Tr.* q..... $\frac{1}{2}$ -2 dr.Quassia $\frac{1}{8}$ - $\frac{1}{3}$ gr.**Actions and uses.** Stomachic bitter. Injected, anthelmintic to threadworm.**QUERCUS ALBA** (*white oak*) contains 6-11% tannic acid.

QUILLAJA (<i>soap bark</i>).....	$\frac{1}{4}$ — $\frac{1}{2}$ dr.
Tr. q.....	$\frac{1}{2}$ —2 dr.

Uses. Mixing oily liquids with water. Expectorant.

RESINA :

Ceratum r. (*basilicon ointment*).

Empl. r. (*adhesive plaster*).

Action. Antiseptic, stimulant.

Uses. Sores, ulcers, wounds, etc.

RESORCINUM	2—5 gr.
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Actions and uses. Chronic skin diseases. Seborrhœa sicca. Gastric fermentation. *Marked cardiac depressant.*

RHAMNUS PURSHIANA (*cascara sagrada*),

Ext. r. p. fl.....	$\frac{1}{4}$ —1 dr.
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Action and use. Stomachic and mild purgative.

RHEUM (<i>rhubarb</i>).....	dose	{ stomachic, 1—5 gr. purgative, 10—30 gr.
Ext. r.....		
Ext. r. fl.....		3—15 gr.
Pil. r., $\ddot{\text{a}}$ 3 gr.....		$\frac{1}{4}$ —1 dr.
Pil. r. co., $\ddot{\text{a}}$ 2 gr.....		1—5
Pulv. r. co. (<i>Gregory's powder</i>).....		1—3
		$\frac{1}{2}$ —1 dr.

Tr. r.....	dose	stomachic, purgative,	$\frac{1}{2}$ -1	dr.
			1-4	dr.
Tr. r. arom.....			1-3	dr.
Tr. r. dulcis.....			$\frac{1}{2}$ -1	oz.
Mist. r. et sodæ.....			$\frac{1}{2}$ -2	oz.
Syr. r.....			1-4	dr.
Syr. r. arom.....	i	dr. for child.		

Actions. Stomachic. Purgative—4 to 8 hrs. Gripes. Faeces yellow. Constipation afterward. Urine yellow. Cholagogue.

Uses. Stomachic and purgative.

RHUS TOXICODENDRON (*poison ivy*)... 1-5 gr.

Uses. Dangerous. Skin diseases. Nocturnal incontinence.

ROSA:

R. gallica (*red rose*).

Confectio r.....	30-60	gr.
Ext. r. fl.....	$\frac{1}{2}$ -1	dr.
Mel r.....		freely.
Syr. r.....	1-2	dr.

R. centifolia (*pale rose*).

Oleum rosæ (*attar of rose*).

Aqua r. fortior..... indefinite.

Aqua r..... "

Ung. aquæ r. (*cold cream*).

Uses. Vehicles and flavoring agents.

RUBUS (*blackberry*):

Ext. r. fl.....	½-2 dr.
Syr. r.....	1-2 dr.

Use. Diarrhoea.

RUBUS IDÆUS (*raspberry*):

Syr. r. i.....	indefinite.
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Use. Flavoring agent.

RUMEX (<i>yellow dock</i>).....	½-1 dr.
Ext. r. fl.....	½-1 dr.

Actions. Astringent, tonic, alterative.

Uses. Diarrhoea. Syphilis. Scurvy.

SABINA (<i>savine</i>).....	.....	5-15 gr.
Ext. s. fl.....	.....	5-15 ℥.
Oleum s.....	.....	1-5 ℥.

Actions. Like turpentine. Also ecbolic.

Uses. Dangerous. Emmenagogue.

SACCHARIN (<i>glusidum</i>).....	½-2 gr.
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Use. Sweetening agent. To replace sugar in diabetes.

SACCHARUM (<i>cane sugar</i>).....	indefinite.
Syrupus.....	.....	indefinite.

Uses. Sweetening agent and vehicle.

SACCHARUM LACTIS (*sugar of milk*), indefinite**Uses.** Vehicle. Making triturations. Nutrient.**SALICINUM**..... 5-30 gr.

Acidum salicylicum..... 5-60 gr.

Sodii salicylas..... 5-60 gr.

Lithii " 1-15 gr.

Actions. *Ext.* Salicin and salicylic acid, antiseptic, anhidrotic. *Int.* Irritant. Salicin converted to salicylic acid in intestine. Impurities are cardiac depressants. Antipyretic. Antiperiodic.

Uses. *Ext.* Stimulating antiseptic. Removing corns, etc. Excessive sweating. *Int.* For rheumatic fever. Chronic rheumatism. Migraine. Sciatica. Diabetes. Pleurisy. Cystitis.

SALIPYRIN (*antipyrin and salicylic acid*).. 6-40 gr.**Action and use.** Sciatica. Chronic rheumatism.**SALOL** (*phenyl salicylate*)..... 5-30 gr.

Actions. Split in intestine into salicylic and carbolic acids. Intestinal antiseptic. Like salicylic acid.

Uses. Diarrhoea, dysentery, cholera, typhoid. Antiseptic in ureter, bladder, etc.

SALOPHEN 5-15 gr.**Action.** Split in intestine, forming salicylic acid.**Uses.** Like salicylic acid.

SALVIA (*sage*)..... $\frac{1}{4}$ -1 dr.

Uses. Condiment. Night sweats.

SANGUINARIA (*bloodroot*)..... 2-30 gr.

Ext. s. fl. dose { expectorant, 1-5
emetic, 1-1 dr.

Tr. s.....dose { expectorant, 5-30
emetic..... 1-4 dr.

Actions. Emetic, narcotic, expectorant.

Use. Chronic bronchitis.

SANTONICA (*Levant wormseed*)..... 15-60 gr.

Santonin dose { child, $\frac{1}{4}$ -1 gr.
{ adult, 1-5 gr.

Actions. Anthelmintic for roundworm. Colors urine yellow, if acid; red, if alkaline. Produces xanthopsia. May produce toxic symptoms.

Uses. Roundworms.

SAPO (castile soap):

Empl. s.

Lin. s.

Sapo mollis (*soft or green soap*).

Lin. s. mollis.

SARSAPARILLA..... $\frac{1}{2}$ -1 dr.

Decoct. s. co..... I-4 oz.

Ext. s. fl. $\frac{1}{2}$ -1 dr.

Ext. s. fl. co.....	$\frac{1}{2}$ -1 dr.
Syr. s. co.....	$\frac{1}{4}$ -1 oz.

Actions. Unknown.

Uses. Vehicle, chiefly.

SASSAFRAS..... $\frac{1}{2}$ -1 dr.

S. medulla.

Mucilago s. m..... freely.

Oleum sassafras..... 1-5 fl.

Actions. Like volatile oils.

Uses. Vehicle and flavoring agent.

SCAMMONIUM..... 5-15 gr.

Res. s..... 1-8 gr.

Actions. Hydragogue cathartic—4 hrs. Anthelmintic for tape- and roundworm.

Uses. Obstinate constipation. Tape- and roundworm.

SCILLA (*squill*)..... 1-5 gr.

Acetum s..... 10-45 fl.

Ext. s. fl..... 1-5 fl.

Tr. s..... 5-30 fl.

Syr. s..... $\frac{1}{2}$ -1 dr.

Syr. s. co. (*hive syrup*)..... 5-30 fl.

Actions. Like digitalis. More of a gastro-intestinal irritant. More powerful diuretic. Powerful expectorant.

Uses. Diuretic in chronic nephritis with digitalis. In combination in chronic bronchitis.

SCOPARIUS (<i>broom</i>).....	$\frac{1}{4}$ -1 dr.
Ext. s. fl.....	$\frac{1}{4}$ -1 dr.
Spartein (<i>q. v.</i>).	

Action and use. Diuretic.

SENEGA	10-20 gr.
Ext. s. fl.....	10-20 mL .
Syr. s.....	1-2 dr.
Syr. scillæ co. (<i>hive syrup</i>).....	5-30 mL .

Actions. *Ext.* Irritant. *Int.* Gastro-intestinal irritant. On heart like digitalis. Expectorant. Diuretic.

Use. Chronic bronchitis.

SENNA	1-3 dr.
Confectio s.....	1-2 dr.
Ext. s. fl.....	1-3 dr.
Inf. s. co. (<i>black draught</i>).....	1-2 oz.
Pulv. glycyrrhizæ co. (<i>compound licorice powder</i>).....	$\frac{1}{2}$ -2 dr.
Syr. s.....	$\frac{1}{4}$ -1 oz.

Actions. Purgative, acting on colon. Gripes. Yellow, watery stools. Urine red.

Use. Purgative. Generally in combination.

SERPENTARIA (<i>Va. snakeroot</i>).....	10-30 gr.
Ext. s. fl.....	10-30 mL .
Tr. s.....	$\frac{1}{2}$ -2 dr.

Action and use. Stomachic bitter.

SEVUM (*suet*).

Uses. Making cerates.

SINAPIS ALBA (*white mustard*).

“ **NIGRA** (*black mustard*).

Charta s.

OLEUM S. VOLATILE.

Linimentum s. co.

Actions. *Ext.* Irritant. Rubefacient. Counter-irritant. Vesicant. Anodyne. Reflex cardiac and respiratory stimulation. *Int.* Stomachic. Emetic.

Uses. *Ext.* General counter-irritant and anodyne. Antemetic over stomach. Cardiac and respiratory stimulant. *Int.* Condiment. Emetic.

SODIUM:

Liquor sodæ..... 5-20 fl. freely diluted.

Actions. Like liquor potassæ. Little used.

S. carbonas (*sal soda, washing soda*)..... 5-15 gr.

S. “ exsiccatus 5-15 gr.

S. bicarbonas (*baking soda, soda*)..... 5-60 gr.

Trochisci sodii bicarbonas, $\text{â} \text{a}$ 3 gr.. 1-6

Uses. Gastric sedative. Acid eructations. Dyspepsia.

S. phosphas..... 5 gr, to 1 oz.

S. sulphas (*Glauber's salt*)..... 1-8 dr.

Potassii et sodii trituras { purgative, $\frac{1}{4}$ -1 oz.
(*Rochelle salt*).....dose { diuretic.. 30-60 gr.

Pulvis effervescent compositus (*Seidlitz powder*).

Actions. Saline purgatives. Sulphate most powerful. Sulphate and phosphate, cholagogues.

Uses. Habitual constipation. Cholagogues. Dropsey. Ascites.

S. chloridum (*common salt*)..... 5-60 gr.

Uses. Food. Emetic (large doses). As rectal injections for *oxyuris vermicularis*.

S. sulphur..... 5-60 gr.

S. bisulphur..... 5-30 gr.

S. hyposulphur..... 5-20 gr.

Uses. Sulphite used for gastric fermentation.

S. nitras..... $\frac{1}{2}$ -1 oz.

Purgative.

S. acetum..... 10-60 gr.

Diuretic (little used). Used to make acetic acid, acetic ether, etc.

S. chlorum..... 5-15 gr.

Similar to potassium salt.

SODII ETHYLAS.

Uses. Mild caustic to remove warts, nævi, etc.

SODII NITRIS..... 2-5 gr.

Spr. ætheris nitrosi (*sweet spirit of nitre*). $\frac{1}{2}$ -2 dr.

Actions. *Int.* Stomachic, carminative. Cardiac stimulant. Vaso-dilator. Diaphoretic. Diuretic.

Uses. Dyspepsia. Cardiac diseases with oedema. Febrile diseases. Nephritis.

SODII SULPHOCARBOLAS..... 5-30 gr.

Action and use. Antiseptic in gastric and intestinal fermentation.

SOMNAL 15-30 ml.

Action and use. Hypnotic.

SPARTEINÆ SULPHAS (*fr. scorpiarius*), $\frac{1}{10}$ -2 gr.

Action and use. Cardiac stimulant.

SPIGELIA (*pinkroot*)..... $\frac{1}{4}$ -2 dr.

Ext. s. fl. $\frac{1}{4}$ -2 dr.

Action and use. Anthelmintic for roundworm.

SPIRITUS GLONOINI (*spirit of nitroglycerine*), 1%,
1-3 ml.

Actions and uses. Like amyl nitrite.

STAPHISAGRIA (*stavesacre*).

Action and use. Parasiticide for pediculi.

STRAMONIUM (*Jamestown weed, thornapple*).

S. semen.....	1-3	gr.
Ext. s. seminis.....	$\frac{1}{4}$ - $\frac{1}{2}$	gr.
Ext. " " fl.....	1-3	ml.
Tr. " "	5-30	ml.
Ung. s.....	10%	
S. folia.....	1-5	gr.

Actions. Like belladonna. Relaxes bronchial tubes more.

Uses. Chiefly asthma.

STRONTIUM.

S. lactas.....	$\frac{1}{2}$ -2	dr.
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Actions. Diuretic. Reduces albumin in albuminuria. Sedative to heart (?).

Uses. Diuretic. Albuminuria from renal atrophy. Chronic rheumatism, gout, scrofula. Diabetes. Cirrhosis.

STROPHANTHUS.

Tr. s.....	2-10	ml.
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Actions. Like digitalis. Feebler diuretic.

Uses. As for digitalis. Not so generally useful.

STYRAX (*storax, liquid amber*)..... 5-20 gr.

Actions. Like bals. of Peru and tolu.

Use. Pediculi and scabies.

SULPHONAL..... 15-40 gr.

Use. Hypnotic—2 hrs. to act. Not depressing.

SULPHUR:

S. sublimatum (<i>flowers of s.</i>).....	15-60 gr.
“ præcipitatum (<i>milk of s.</i>).....	15-60 gr.
“ lotum (<i>washed s.</i>).....	15-60 gr.
Ung. sulphuris.....	30%

Actions. *Ext.* Parasiticide. *Int.* Mild laxative.

Uses. *Ext.* Scabies. Sulphur baths for rheumatism.

Acne. *Int.* Laxative for children and in piles and anal fissures. Slight constipation. Sometimes for skin diseases.

Potassa sulphurata.

Calx “ See p. 27.

Sulphuris iodidum..... 1-4 gr.

Actions. *Ext.* Parasiticides. *Int.* Unknown.

Uses. *Ext.* Scabies. Chronic skin diseases. Baths for rheumatism, myalgia, etc. *Int.* Chronic rheumatism and skin diseases. Efficacy doubtful.

TABACUM (*tobacco*).

Nicotine.

Actions. Gastro-intestinal irritation. Collapse. Cardiac innervation disturbed. Motor nerves depressed. Respiration paralyzed. Myotic.

Uses. Rarely used. Poultice for epididymitis.

TAMARINDUS..... freely.

Use. Mild laxative.

TANACETUM (*tansy*)..... $\frac{1}{4}$ -1 dr.

Action and use. Dangerous. Abortifacient.

TARAXACUM (*dandelion*)..... 1-3 dr.

Ext. t..... 5-30 gr.

Ext. t. fl..... 1-4 dr.

Actions and uses. Stomachic. Laxative. Cholagogue (?).

TEREBENUM..... 5-15 ml.

Action and use. Stimulating, disinfectant expectorant in chronic bronchitis.

TEREBINTHINA CANADENSIS (*Canada balsam*):

Action. Like turpentine.

Use. As an adhesive varnish.

TERPINI HYDRAS..... 2-30 gr.

Actions. Antiseptic expectorant. Diuretic. Stimulates g.-u. mucous membrane.

Uses. Acute and chronic bronchitis, pulmonary tuberculosis, whooping-cough. Chronic nephritis, cystitis, gonorrhœa.

THEOBROMINÆ SODIO-SALICYLAS (*diuretin*),
15-30 gr.**Action and use.** Diuretic.**THERIACA** (*treacle, molasses*):**Actions.** Demulcent. Slightly laxative.**Uses.** Flavoring agent, etc.**THYMOL**..... 1-15 gr.**Actions and uses.** Antiseptic and parasiticide.**TRAGACANTHA:**

Mucilago t..... indeterminate.

Uses. Demulcent, vehicle.**TRIONAL**..... 7-30 gr.**Action and use.** Hypnotic. Delirium tremens.**TRITICUM** (*couch grass*)..... 1-8 dr.

Ext. t. fl..... 1-8 dr.

Action and use. Diuretic.**ULMUS** (*slippery elm*):

Mucilago u..... freely.

Use. Demulcent.

URETHANUM..... 5-30 gr.

Action and use. Hypnotic.

UVA URSI (*bearberry*)..... $\frac{1}{4}$ -1 dr.

Ext. u. u. 5-15 gr.

Ext. u. u. fl. $\frac{1}{4}$ -1 dr.

Actions. Diuretic. Astringent and disinfectant to urinary tract.

Uses. Pyelitis, cystitis, gonorrhœa, etc.

VALERIANA..... 10-30 gr.

Ext. v. fl. 10-30 ml.

Tr. v. $\frac{1}{2}$ -2 dr.

Tr. v. ammon. $\frac{1}{2}$ -2 dr.

Ammonii valerianas. 2-8 gr.

FERRI " 1-3 gr.

Zinci " $\frac{1}{2}$ -3 gr.

Actions. Of volatile oils. Reflex cardiac stimulant.

Uses. Carminative. Fainting. Palpitation. Neuralgia. Hysteria.

VANILLA :

Tr. v.

Use. Flavoring agent.

VERATRINA (mixture of alkaloids)..... $\frac{1}{30}$ - $\frac{1}{10}$ gr.

Oleatum v. 2%

Ung. v. 4%

Actions. *Ext.* Irritant. *Int.* Gastro-intestinal irritant. Heart action greatly slowed. Motor and sensory nerves first stimulated, then paralyzed. Contraction of vol. muscle greatly prolonged.

Use. *Ext.* For neuralgia.

VERATRUM VIRIDE (*Am. hellebore*)... 1-5 gr.

Ext. v. v. fl. 1-5 fl.

Tr. v. v. 2-10 fl.

Actions. Cardiac depressant.

Uses. As cardiac depressant. Puerperal eclampsia.

VIBURNUM OPULUS (*crampbark*)....., 1-2 dr.

Ext. v. o. fl. 1-2 dr.

Actions. Antispasmodic, tonic, diuretic.

Uses. Nervous disorders of pregnancy. To prevent miscarriage. Spasmodic dysmenorrhœa. After-pains. Menorrhagia.

VIBURNUM PRUNIFOLIUM (*black haw*), $\frac{1}{4}$ -1 dr.

Ext. v. p. fl. $\frac{1}{4}$ -1 dr.

Actions and uses. See above.

VITELLUS (*yolk of egg*):

Uses. Emollient. Nutritive.

VOLATILE OILS.

Actions. *Ext.* Rubefacient, irritant, counter-irri-

tant, vesicant. *Int.* Stomachic, carminative; gastro-intestinal-irritant in large doses. Expectorant. Diuretic. Stimulate g.-u. mucous membrane.

ZINCUM:

Z. chloridum.

Liquor zinci chloridi.

Actions and uses. *Ext.* Caustic, antiseptic.

Z. sulphas.....dose { tonic.. $\frac{1}{2}$ -2 gr.
emetic, 10-30 gr.

Z. carbonas præcipitatus.

“ oxidum..... 1-5 gr.

Unguentum zinci oxidi.

Oleatum zinci.

Z. acetas.....tonic, $\frac{1}{2}$ -2 gr.

Actions. *Ext.* Astringent, hemostatic. *Int.* Direct emetic. Tonic.

Uses. *Ext.* General astringent. *Int.* Emetic. Diarrœa. Hysteria, epilepsy, whooping-cough. Tonic.

ZINGIBER (ginger)..... 5-15 gr.

Ext. z. fl..... 5-15 fl.

Oleores. z..... $\frac{1}{2}$ -2 fl.

Tr. z..... $\frac{1}{4}$ -1 dr.

Syr. z..... $\frac{1}{2}$ -2 dr.

Troch. z..... freely.

Actions and uses. Like volatile oils.

PREPARATIONS.

AQUÆ:

Aqua anisi.....	$\frac{1}{4}$ -1 oz.
" aurantii florum fortior.....	indefinite.
" " ".....	"
" ammoniæ fortior.....	3-6 ℥.
" ".....	10-20 ℥.
" amygdalæ amaræ.....	2-4 dr.
" camphoræ.....	$\frac{1}{2}$ -2 oz.
" chlori.....	1-4 dr.
" chloroformi.....	1-4 dr.
" cinnamomi.....	$\frac{1}{2}$ -1 oz.
" creosoti.....	1-4 dr.
" fœniculi	$\frac{1}{2}$ -1 oz.
" hydrogenii dioxidi.....	1-3 dr.
" menthæ piperitæ.....	$\frac{1}{2}$ -2 oz.
" " viridis	$\frac{1}{2}$ -2 oz.
" rosæ fortior.....	indefinite.
" ".....	"

EXTRACTA:

Maximum dose one grain or less:

1	Extractum aconiti.....	$\frac{1}{10}$ - $\frac{1}{4}$ gr.
2	" belladonnæ foliorum.....	$\frac{1}{8}$ - $\frac{1}{2}$ gr.
3	" cannabis indicæ	$\frac{1}{6}$ - $\frac{1}{4}$ gr.
4	" conii.....	$\frac{1}{3}$ -1 gr.
5	" digitalis.....	$\frac{1}{4}$ -1 gr.
6	" nucis vomicæ	$\frac{1}{8}$ -1 gr.
7	" opii.....	$\frac{1}{8}$ -1 gr.
8	" physostigmatis.....	$\frac{1}{10}$ - $\frac{1}{2}$ gr.
9	" stramonii seminis:.....	$\frac{1}{4}$ - $\frac{1}{2}$ gr.

Maximum dose more than one grain:

Extractum aloes.....	$\frac{1}{2}$ -3 gr.
" arnicæ radicis.....	5-10 gr.
" cimicifugæ.....	1-5 gr.
" cinchonæ.....	5-30 gr.
" colchici radicis.....	$\frac{1}{2}$ -2 gr.
" colocynthidis.....	$\frac{1}{2}$ -2 gr.
" " compositum	5-15 gr.
" ergotæ	5-15 gr.
" euonymi.....	1-5 gr.
" gentianæ.....	2-10 gr.
" glycyrrhizæ.....	freely.
" hæmatoxyli	5-15 gr.
" hyoscyami.....	$\frac{1}{2}$ -2 gr.
" iridis.....	1-3 gr.
" jalapæ.....	2-8 gr.

Extractum juglandis	5-30 gr.
“ krameriæ	5-10 gr.
“ leptandræ	1-3 gr.
“ podophylli	2-10 gr.
“ quassiæ	½-3 gr.
“ rhei	3-15 gr.
“ taraxaci	5-30 gr.
“ uvæ ursi	5-15 gr.

EXTRACTA FLUIDA:

Maximum dose less than 10 minims:

1	Extractum aconiti fluidum.....	$\frac{1}{2}$ -2	℥.
2	“ belladonnæ radicis fluidum.....	I-3	℥.
3	“ cannabis indicæ fluidum,	2-5	℥.
4	“ capsici fluidum.....	2-8	℥.
5	“ colchici radicis fluidum,	2-8	℥.
6	“ colchici seminis “	I-5	℥.
7	“ conii fluidum.....	2-5	℥.
8	“ digitalis fluidum.....	$\frac{1}{2}$ -3	℥.
9	“ lobeliæ “	2-10	℥.
10	“ nucis vomicæ fluidum...	I-4	℥.
11	“ ipecacuanhæ fluidum, dose { expectorant, I-5 emetic..... 15-30	℥.	℥.
12	“ sanguinariæ fluidum, dose { expectorant, I-5 emetic..... $\frac{1}{4}$ -1	℥.	dr.

13	Extractum scillæ fluidum.....	1-5	ml.
14	" stramonii seminis fluidum	1-3	ml.
15	" veratri viridis fluidum...	1-5	ml.

Maximum dose between 10 and 30 minims:

1	Extractum apocyni fluidum.....	2-20	ml.
2	" arnicæ radicis fluidum,	5-20	ml.
3	" aromaticum "	10-30	ml.
4	" aspidospermatis "	5-30	ml.
5	" buchu fluidum.....	15-30	ml.
6	" calumbæ "	5-30	ml.
7	" convallariæ fluidum.....	5-30	ml.
8	" cypripedii "	15-30	ml.
9	" eryodictyi "	15-30	ml.
10	" gelsemii fluidum.....	5-10	ml.
11	" gentianæ "	5-30	ml.
12	" hyoscyami "	5-15	ml.
13	" iridis "	10-30	ml.
14	" krameriæ "	5-30	ml.
15	" lupulini "	5-30	ml.
16	" menispermi fluidum.....	5-30	ml.
17	" mezerei "	5-15	ml.
18	" phytolaccæ radicis fluidum.....	5-30	ml.
19	" podophylli fluidum.....	5-20	ml.
20	" sabinæ "	5-15	ml.
21	" senegæ "	10-20	ml.

22	Extractum serpentariæ fluidum.....	10-30	ml.
23	" valerianæ "	10-30	ml.
24	" xanthoxyli "	10-30	ml.
25	" zingiberis "	5-15	ml.

Maximum dose 1 drachm:

Extractum calami fluidum.....	$\frac{1}{4}$ -1	dr.
" chiratæ "	$\frac{1}{2}$ -1	dr.
" cimicifugæ fluidum.....	$\frac{1}{2}$ -1	dr.
" cinchonæ "	10-60	ml.
" cubebæ "	$\frac{1}{2}$ -1	dr.
" ergotæ "	$\frac{1}{2}$ -1	dr.
" eupatorii "	$\frac{1}{4}$ -1	dr.
" geranii "	$\frac{1}{4}$ -1	dr.
" gossypii radicis fluidum....	$\frac{1}{4}$ -1	dr.
" grindeliae "	$\frac{1}{4}$ -1	dr.
" guaranæ "	$\frac{1}{4}$ -1	dr.
" hydrastis "	5-60	ml.
" lappæ "	$\frac{1}{2}$ -1	dr.
" leptandræ "	$\frac{1}{4}$ -1	dr.
" pareiræ "	$\frac{1}{2}$ -1	dr.
" pilocarpi "	5-60	ml.
" pruni Virginianæ "	$\frac{1}{2}$ -1	dr.
" quassiae "	$\frac{1}{4}$ -1	dr.
" rhamni purshianæ fluidum..	$\frac{1}{4}$ -1	dr.
" rhei "	$\frac{1}{4}$ -1	dr.
" rhois glabræ "	$\frac{1}{4}$ -1	dr.
" rosæ "	$\frac{1}{4}$ -1	dr.

Maximum dose more than one drachm:

Extractum asclepiadis	fluidum	.....	½-2 dr.
“	aurantii	“	.....
“	castaneæ	“	.....
“	chimaphilæ	“	.....
“	cocæ	“	.....
“	cusso	“	.....
“	dulcamaræ	“	.....
“	eucalypti	“	.....
“	frangulæ	“	.....
“	glycyrrhizæ	“	.....
“	hamamelidis	“	.....
“	matico	“	.....
“	rubi	“	.....
“	scutellariæ	“	.....
“	sennæ	“	.....
“	spigeliæ	“	.....
“	taraxaci	“	.....
“	tritici	“	.....
“	viburni opuli	“	.....

LIQUORES:

Liquor acidi arsenosi, 1%	5-10 ml.
“ ammonii acetatis (<i>spirit of Mindererus</i>)	1-8 dr.
“ arseni et hydrargyri iodidi (<i>Donovan's solution</i>), 1% each	1-10 ml.
“ calcis (<i>lime-water</i>)	1-8 dr.
“ ferri acetatis	2-10 ml.
“ “ chloridi	2-10 ml.
“ “ citratis	5-15 ml.
“ “ et ammonii acetatis (<i>Basham's mixture</i>)	1-4 dr.
“ ferri nitratis	2-10 ml.
“ “ subsulphatis (<i>Monsel's solution</i>)	2-10 ml.
“ ferri tersulphatis	
“ hydrargyri nitratis	
“ iodi compositus (<i>Lugol's solution</i>), I 5%, KI 10%	1-10 ml.
“ magnesii citratis	1-8 oz.
“ plumbi subacetatis (<i>Gouillard's extract</i>)	external.
“ plumbi subacetatis dilutus (<i>lead-water</i>)	external.
“ potassæ, 5%	5-30 ml.
“ potassii arsenitis (<i>Fowler's solution</i>), 1%	2-10 ml.
“ potassii citratis	1-8 dr.

Liquor sodae, 5%	5-20 ml.
“ sodae chloratæ (<i>Labarraque's solution</i>)	½-1 dr.
“ sodii arsenatis (<i>Pearson's solution</i>), 1%	1-10 ml.
“ sodii silicatis.	
“ zinci chloridi.....	1-10 ml.

MASSÆ:

Massa copaibæ.....	½-1 dr.
“ ferri carbonatis (<i>Vallet's mass</i>)...	1-5 gr.
“ hydrargyri (<i>blue mass, blue pill</i>), 33%	½-15 gr.

OLEA:

Maximum dose 5 minims or less:

1 Oleum amygdalæ amaræ.....	½-1 ml.
2 “ anisi	1-5 ml.
3 “ aurantii florum.....	½-2 ml.
4 “ betulæ volatile.....	1-5 ml.
5 “ cajuputi	1-5 ml.
6 “ cari	1-5 ml.
7 “ caryophylli.....	1-5 ml.
8 “ cinnamomi.....	1-5 ml.
9 “ coriandri.....	2-5 ml.
10 “ fœniculi	1-5 ml.
11 “ gaultheriæ	1-5 ml.

12	Oleum hedeomæ	1-5 ℥.
13	" lavandulæ florum.....	1-5 ℥.
14	" menthæ piperitæ.....	1-5 ℥.
15	" viridis.....	1-5 ℥.
16	" myristicæ.....	1-3 ℥.
17	" phosphoratum, 1%.....	1-5 ℥.
18	" pimentæ.....	1-5 ℥.
19	" rosmarini.....	1-5 ℥.
20	" sabinæ	1-5 ℥.
21	" sassafras	1-5 ℥.
22	" sinapis volatile.....	½-¼ ℥.
23	" thymi	1-5 ℥.
24	" tiglii (<i>croton oil</i>).....	¼-2 ℥.

Maximum dose between 5 and 30 minims:

1	Oleum chenopodii.....	2-10 ℥.
2	" copaibæ	5-15 ℥.
3	" cubebæ	5-20 ℥.
4	" erigerontis	5-15 ℥.
5	" eucalypti.....	5-30 ℥.
6	" juniperi.....	2-10 ℥.
7	" santali.....	2-10 ℥.
8	" terebinthinae	5-30 ℥.
9	" " purificatum.....	5-30 ℥.

Maximum dose more than one drachm:

Oleum amygdalæ expressum.....	1-4 dr.
" lini (<i>linseed</i>).....	½-2 oz.
" morrhuæ (<i>cod liver</i>).....	1-4 dr.

Oleum olivæ.....	freely.
“ ricini (<i>castor</i>).....	$\frac{1}{4}$ -2 oz.
“ sesami	indefinite.
Oleum aurantii corticis.	
“ bergamottæ.	
“ limonis.	
“ rosæ.	
Oleum adipis.	
“ æthereum.	{ used in pharmacy.
Oleum myrciæ.....	perfume.
“ gossypii seminis.	
“ picis liquidæ.	
“ cadini.	
“ theobromatis.	{ externally.

OLEORESINÆ:

Oleoresina aspidii.....	$\frac{1}{4}$ -1	dr.
“ capsici.....	$\frac{1}{4}$ -1	fl.
“ cubebæ.....	5-30	fl.
“ lupulini.....	1-5	gr.
“ piperis.....	$\frac{1}{4}$ -1	gr.
“ zingiberis.....	$\frac{1}{2}$ -2	fl.

PILULÆ:

Pilulæ aloes, 2 gr.....	1-4	pills.
“ “ et asafoetidæ, 1 $\frac{1}{2}$ gr.....	1-5	“
“ “ ferri, 1 gr.....	1-4	“

Pilulæ aloes et mastiches ("Lady Webster"), 2 gr.	1-3	pills.
" aloes et myrrhæ, 2 gr.	2-10	"
" antimonii compositæ (<i>Plum-mer's pills</i>)	1-3	"
" asafoetidæ, 3 gr.	1-4	"
" catharticæ compositæ	1-3	"
Calomel.....	1 gr.	
Ext. jalapæ.....	$\frac{1}{2}$ gr.	
" colocynthidis co.	$1\frac{1}{2}$ gr.	
Gamboge	$\frac{1}{4}$ gr.	
Pilulæ catharticae vegetabilis.....	1-5	"
Ext. colocynthidis co.....	1 gr.	
" hyoscyami.....	$\frac{1}{2}$ gr.	
" jalapæ.. ..	$\frac{1}{2}$ gr.	
" leptandrae.....	$\frac{1}{2}$ gr.	
Res. podophylli.. ..	$\frac{1}{2}$ gr.	
Ol. menthæ piperitæ.....	q. s.	
Pilulæ ferri carbonatis (<i>Blaud's pills</i>)..	1-2	"
" " iodidi	1-2	"
" opii, 1 gr.	1-2	"
" phosphori, $1\frac{1}{100}$ gr.	1-5	"
" rhei, 3 gr.	1-5	"
♦ " compositæ, 2 gr.	1-3	"

PULVES:

Pulvis antimonialis (<i>James' powder</i>)....	3-15	gr.
" aromaticus,.....	10-30	gr.

Pulvis cretæ compositus.....	5-60 gr.
" effervescens compositus (<i>Seidlitz powder</i>).....	one powder.
" glycyrrhizæ compositus.....	$\frac{1}{2}$ -2 dr.
" ipecacuanhæ et opii (<i>Dover's powder</i>), each 10%.....	3-15 gr.
" jalapæ compositus.....	$\frac{1}{4}$ -1 dr.
" morphinæ " (<i>Tully's powder</i>), 8 gr. to 1 oz.....	5-15 gr.
" rhei compositus (<i>Gregory's powder</i>).....	$\frac{1}{2}$ -1 dr.

RESINÆ:

Resina.

" copaibæ.....	5-15 gr.
" jalapæ	1-5 gr.
" podophylli.....	$\frac{1}{8}$ -1 gr.
" scammonii	1-8 gr.

SPIRITUS:

Maximum dose one drachm or less:

Spiritus ætheris.....	$\frac{1}{4}$ -1 dr.
" " compositus (<i>Hoffman's anodyne</i>)	5-60 ml.
" ammoniæ	10-60 ml.
" amygdalæ amaræ.....	15-45 ml.
" camphoræ.....	$\frac{1}{2}$ -1 dr.

Spiritus chloroformi (<i>chloric ether</i>).....	$\frac{1}{2}$ -1 dr.
“ cinnamomi.....	10-30 fl.
“ glonoini (<i>spirit of nitroglycerine</i>).....	1-3 fl.
“ juniperi.....	$\frac{1}{2}$ -1 dr.
“ lavandulæ.....	$\frac{1}{2}$ -1 dr.
“ limonis.....	flavoring.
“ menthæ piperitæ.....	5-15 fl.
“ “ viridis.....	5-15 fl.
“ myristicæ.....	$\frac{1}{2}$ -1 dr.
“ phosphori.....	8-40 fl.

Maximum dose more than one drachm:

1	Spiritus ætheris nitrosi (<i>sweet spirit of nitre</i>).....	$\frac{1}{2}$ -2 dr.
2	“ ammoniæ aromaticus.....	$\frac{1}{2}$ -2 dr.
3	“ anisi.....	1-2 dr.
4	“ aurantii.....	}
5	“ “ compositus.....	} vehicle.
6	“ frumenti (<i>whiskey</i>).....	indefinite.
7	“ gaultheriæ.....	1-2 dr.
8	“ juniperi compositus.....	1-4 dr.
9	“ myrciæ.....	perfume.
10	“ vini gallici (<i>brandy</i>).....	indefinite.

SYRUPI:

Syrpus.....	freely.
“ acaciæ.....	“

Syrupus acidi citrici.....	1-4	dr.
“ “ hydriodici.....	$\frac{1}{4}$ -1	dr.
“ allii.....	1-4	dr.
“ althææ.....	freely.	
“ amygdalæ.	“	
“ aurantii.....	vehicle.	
“ “ florum.....	freely.	
“ calcii phosphatis.....	1-2	dr.
“ calcis.....	15-60	fl.
“ ferri iodidi.....	5-30	fl.
“ “ quininæ et strychninæ phosphatum.....	$\frac{1}{2}$ -1	dr.
“ hypophosphitum.....	1-2	dr.
“ “ cum ferro....	1-2	dr.
“ ipecacuanhæ.....	5	fl.-2 dr.
“ krameriaæ.....	$\frac{1}{2}$ -4	dr.
“ lactucarii.....	1-4	dr.
“ picis liquidæ.....	1-4	dr.
“ pruni Virginianæ.....	1-4	dr.
“ rhei.		
“ “ aromaticus.....	1	dr. for child.
“ rosæ.....	1-2	dr.
“ rubi	1-2	dr.
“ “ idæi.....	freely.	
“ sarsaparillæ compositus.....	$\frac{1}{4}$ -1	oz.
“ scillæ	$\frac{1}{2}$ -1	dr.
“ “ compositus (<i>hive syrup</i>)..	5-30	fl.

Syrupus senegæ.....	1-2	dr.
" sennæ.....	½-1	oz.
" tolutanus.....	½-1	oz.
" zingiberis.....	½-2	oz.

TINCTURÆ:

Maximum dose half a drachm or less:

1 Tr. aconiti	½-5	℥.
2 " arnicæ radicis.....	5-10	℥.
3 " belladonnæ foliorum.....	5-20	℥.
4 " cannabis indicæ.....	5-30	℥.
5 " cantharidis.....	1-15	℥.
6 " colchici seminis.....	10-30	℥.
7 " digitalis.....	5-30	℥.
8 " iodi.....	1-5	℥.
9 " ipecacuanhæ et opii.....	3-15	℥.
10 " lobeliæ.....	5-30	℥.
11 " nucis vomicæ.....	5-20	℥.
12 " opii (<i>laudanum</i>).....	3-20	℥.
13 " " camphorata (<i>paregoric</i>), for child.....	3-20	℥.
14 " opii deodorata.....	3-20	℥.
15 " physostigmatis.....	10-30	℥.
16 " sanguinariæ..dose	} expectorant, 5-30	℥.
" emetic.....		1-4 dr.
17 " scillæ.....	5-30	℥.
18 " stramonii seminis.....	5-30	℥.

19 Tr. strophanthi.....	2-10 ℥.
20 " veratri viridis.....	2-10 ℥.

Maximum dose one drachm:

Tr. aloes	15-60 ℥.
" asafoetidæ.....	30-60 ℥.
" arnicæ florum.....	15-45 ℥.
" benzoini.....	30-60 ℥.
" " composita	30-60 ℥.
" capsici.....	5-60 ℥.
" ferri chloridi.....	5-60 ℥.
" gelsemii.....	15-60 ℥.
" guaiaci.....	30-60 ℥.
" " ammoniata.....	30-60 ℥.
" lavandulæ composita.....	30-60 ℥.
" moschi.....	15-60 ℥.
" myrrhæ.....	15-60 ℥.
" zingiberis	15-60 ℥.

Maximum dose more than one drachm:

Tr. aloes et myrrhæ.....	1-2½ dr.
" antiperiodica (<i>Warburg's tincture</i>)...	1-4 dr.
" aurantii amari.....	1-2 dr.
" " dulcis.....	1-2 dr.
" bryoniæ.....	1-5 dr.
" calendulæ.....	1-4 dr.
" calumbæ.....	1-4 dr.
" cardamomi.....	1-2 dr

Tr. cardamomi composita.....	2-4	dr.
“ catechu “	½-2	dr.
“ chiratæ	½-2	dr.
“ cimicifugæ.....	½-2	dr.
“ cinchonæ	½-2	dr.
“ “ composita.....	1-4	dr.
“ cinnamomi.....	1-2	dr.
“ croci	1-2	dr.
“ cubebæ.....	½-3	dr.
“ gallæ	1-2	dr.
“ gentianæ composita.....	1-4	dr.
“ humuli	1-2	dr.
“ hydrastis.....	½-2	dr.
“ hyoscyami.....	1-4	dr.
“ kino.....	¼-2	dr.
“ krameriæ.....	½-2	dr.
“ lactucarii	½-2	dr.
“ matico.....	½-1	oz.
“ opii camphorata.....	1-4	dr.
“ pyrethri.		
“ quassiae	½-2	dr.
“ quillajæ.....	½-2	dr.
“ rhei.....	1-4	dr.
“ “ aromaticæ.....	1-3	dr.
“ “ dulcis.....	½-1	oz.
“ serpentariæ.....	½-2	dr.
“ sumbul...	1-4	dr.

Tr. tolutana.....	1-2	dr.
“ valerianæ.....	½-2	dr.
“ “ ammoniata.....	½-2	dr.
“ vanillæ.....		flavoring.

VINA:

Vinum album.....	menstruum.	
“ antimonii.....	5-60	℥.
“ colchici radicis.....	5-15	℥.
“ “ seminis.....	10-30	℥.
“ ergotæ.....	1-4	dr.
“ ferri amarum.....	1-4	dr.
“ “ citratis.....	1-2	dr.
“ ipecacuanhæ.....	1-60	℥.
“ opii (<i>Sydenham's laudanum</i>), 10%.....	3-20	℥.
“ rubrum.....	menstruum.	

A CLASSIFICATION OF DRUGS, BASED CHIEFLY ON PHYSIO- LOGICAL ACTION.

Alterative. A drug or remedial agent which profoundly affects nutrition.

Mercury.

Iodine and its compounds.

Arsenic..... $\frac{1}{60}$ — $\frac{1}{10}$ gr.

Colchicum..... radix 2—8 gr., semen 1—5 gr.

Phosphorus and the hypophosphites.

Organic extracts, *e.g.*, thyroid, etc.

Anaesthetic. A substance capable of producing temporary loss or impairment of feeling or sensation. They are divided into *general* and *local*.

General.

Chloroform..... 2—20 ml.

Ether..... 5—60 ml.

Nitrous oxide.

Ethylene bichloride.

Methylene “

Pental.

Local.

Cold (ice or rapidly evaporating liquids).

Cocaine $\frac{1}{8}$ -2 gr.

Analgesic. A medicine, drug, or remedial agent which brings about an incapacity of feeling pain in a part, although the tactile sense may be more or less preserved.

Applied especially to:

Antipyrin..... 3-20 gr.

Phenacetin..... 5-10 gr.

Antifebrin..... 2-5 gr.

Exalgin $\frac{1}{2}$ -3 gr.

And other coal-tar products which are not official.

Anaphrodisiac. A drug or remedial agent capable of depressing sexual desire.

Bromides.

Opium $\frac{1}{4}$ -2 gr.

Potassium iodide..... 5-60+ gr.

Belladonna..... folia 1-5 gr.

Hyoscyamus..... 5-15 gr.

Stramonium..... semen 1-3 gr., folia 1-5 gr.

Anhidrotic. A drug which checks or tends to check sweating.

Atropine (*belladonna*)..... $\frac{1}{20}$ - $\frac{1}{10}$ gr.

Hyoscyamus..... 5-15 gr.

Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Agaricin	$\frac{1}{2}$ - $\frac{1}{2}$ gr.
Acids.	
Picrotoxine	$\frac{1}{20}$ - $\frac{1}{60}$ gr.
Muscarine.....	$\frac{1}{8}$ -2 gr.
Nux vomica.....	1-4 gr.

Anodyne. A drug or remedial agent capable of relieving pain.

Local Anodynes.

Cold.

Aconite.....	$\frac{1}{2}$ -2 gr.
Menthol.....	$\frac{1}{2}$ -2 gr.
Carbolic acid.....	$\frac{1}{2}$ -1 gr.
Iodoform.....	1-3 gr.
Chloral.....	5-20 gr.
Dilute hydrocyanic acid.....	1-3 fl.
Sodium bicarbonate.....	5-60 gr.
Belladonna.....	folia 1-5 gr.
Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Opium	$\frac{1}{4}$ -2 gr.
Veratrine.....	$\frac{1}{30}$ - $\frac{1}{16}$ gr.
Zinc oxide.....	1-5 gr.
Certain volatile oils.	

Antacid. An alkali used as a remedy for acidity in the stomach.

Ammonia.

Potassium (some preparations).

Sodium " "

Calcium " "

Magnesia 5-60 gr.

Magnesia ponderosa 5-60 gr.

Anthelmintic. A drug or remedial agent used for the removal of intestinal worms. *Tanifuge*—useful against the several varieties of tapeworm.

For Tapeworm.

Aspidium.....	$\frac{1}{2}$ - $1\frac{1}{2}$ dr.
Granatum.....	$\frac{1}{2}$ - $1\frac{1}{2}$ dr.
Kousso.....	2-4 dr.
Kamala	1-2 dr.
Pepo.....	1-3 oz.
Turpentine.....	$\frac{1}{2}$ -4 dr.
Chloroform.....	2-20 fl.

For Roundworm.

Santonica.....	15-60 gr.
Spigelia.....	$\frac{1}{4}$ -2 dr.
Senna	1-3 dr.
Chenopodium	15-30 gr.

For Threadworm.

Mostly as injections:

Tannic acid..... 1-20 gr.

and drugs containing it.

Turpentine.....	5-30 ml., $\frac{1}{2}$ -4 dr.
Sodium chloride.....	5-60 gr.
Carbolic acid.....	$\frac{1}{2}$ -1 gr.
Vinegar.	
Ferric salts.	
Soapsuds.	

Antiperiodic. A drug for the cure of diseases exhibiting periodicity, especially malarial fever and its manifestations.

Quinine, 1-20 gr.	<table> <tr> <td>Warburg's tincture, 1-4 dr.</td></tr> <tr> <td>Cinchona</td><td>10-60 gr.</td></tr> </table>	Warburg's tincture, 1-4 dr.	Cinchona	10-60 gr.
Warburg's tincture, 1-4 dr.				
Cinchona	10-60 gr.			
Arsenic	$\frac{1}{60}$ - $\frac{1}{10}$ gr.			
Eucalyptus.....	$\frac{1}{2}$ -2 dr.			
Hydrastis	5-60 gr.			
Salicin.....	5-30 gr.			
Salicylic acid.....	5-60 gr.			
Oleum gaultheriæ.....	1-5 ml.			
Methyl salicylate.....	1-5 ml.			
Berberine.				

Antipyretic. A drug or remedial agent which diminishes the body temperature.

Cold.	
Evaporating liquids.	
Antipyrin.....	3-20 gr.
Antifebrin.....	2-5 gr.

Phenacetin.....	5-10 gr.
Other coal-tar products.	
Quinine.....	1-20 gr.
Salicin	5-30 gr.
Salicylic acid.....	5-60 gr.
Oleum gaultheriæ.....	1-5 ml.
Methyl salicylate.....	1-5 ml.
Aconite.....	½-2 gr.
Antimony.	
Diaphoretics.	

Antiseptics. Brunton divides drugs or agents which act upon microbes into four classes:

1. "*Antizymotics* are substances which prevent fermentation, and the most typical of them is corrosive sublimate, which prevents the action both of enzymes and zymogens."
2. "*An antiseptic* is a substance which destroys those microbes or organized fermenters which produce putrefaction."
3. *Disinfectants* "are substances that possess a special power to destroy those microbes which tend to produce disease."
4. "*Deodorizers* are simply those substances which take away the disagreeable smell which frequently accompanies the decomposition of substances."

Antiseptics.

Heat.

Corrosive sublimate.....	$\frac{1}{60}$ - $\frac{1}{10}$ gr.
Carbolic acid.....	½-1 gr.

Hydrogen peroxide.....	1-3	dr.
Potassium permanganate.....	½-2	gr.
Boric acid.....	5-15	gr.
Iodoform.....	1-3	gr.
Iodine.		
Sulphurous acid.....	½-2	dr.
Lime.		
Eucalyptus	½-2	dr.
Creolin.....	1-5	ml.
Lysol.		
Chlorine.		
Bromine.		
Benzoin.		
Zinc chloride.		
Zinc oxide.....	1-5	gr.
Ferric oxide.		
Alcohol.		
Menthol.....	½-2	gr.
Balsam of Peru.....	10-30	ml.
Balsam of tolu.....	10-30	gr.
Quinine.....	1-20	gr.

Intestinal Antiseptics.

Creosote	½-2	ml.
Carbolic acid.....	½-1	gr.
Salol.....	5-30	gr.
Salicin.....	5-30	gr.

Salicylic acid.....	5-60 gr.
Bismuth salicylate.....	5-20 gr.
Resorcin.....	2-5 gr.
Boric acid.....	5-15 gr.
Eucalyptus	$\frac{1}{2}$ -2 dr.
Thymol.	
Sodium hyposulphite.....	5-20 gr.
" sulphocarbolate	5-30 gr.
Sulphurous acid.....	$\frac{1}{2}$ -2 dr.
Naphtol.....	1-20 gr.
Naphtalin.....	1-20 gr.
Corrosive sublimate.....	$\frac{1}{60}$ - $\frac{1}{10}$ gr.

Antispasmodics. Agents which arrest or cure spasms or convulsions. Applied especially to spasm of bronchial tubes.

Stramonium.....semen	1-3 gr., folia	1-5 gr.
Belladonna.....	folia	1-5 gr.
Hyoscyamus.....		5-15 gr.
Grindelia.....		$\frac{1}{4}$ -1 dr.
Aspidosperma.....		5-30 gr.
Ether.....		5-60 ml.
Chloroform.....		2-20 ml.
Opium		$\frac{1}{2}$ -2 gr.
Chloral.....		5-20 gr.
Amyl nitrite.....		1-3 ml.

Cannabis Indica.....	2-5 gr.
Conium.....	2-5 gr.

Aphrodisiac. A drug which increases the sexual desire.

Strychnia.....	$\frac{1}{60}$ - $\frac{1}{20}$ gr.
Alcohol.	
Cantharides, tr.....	1-15 ml.
Cannabis Indica.....	2-5 gr.
Camphor.....	3-20 gr.
Phosphorus.....	$\frac{1}{100}$ - $\frac{1}{20}$ gr.
Damiana	$\frac{1}{2}$ -1 oz.

Astringent. A drug which contracts the tissues and vessels of the body, thereby diminishing or checking excessive discharges.

Mineral.

Silver salts.	
Lead "	
Zinc "	
Copper salts.	
Ferric "	
Alum.....	5-30 gr.
Bismuth salts.	
Sulphuric acid.	
Calcium (some preparations).	
Lime-water.....	1-8 dr.

Vegetable.

Tannic acid.	Galla, tr.....	1-2 dr.
	Quercus alba.	
	Krameria.....	5-30 gr.
	Kino.....	5-30 gr.
	Catechu.....	10-30 gr.
	Hæmatoxylon, ext.....	5-15 gr.
	Cinnamon.	
	Eucalyptus gum.....	2-10 gr.
	Hamamelis, ext. fl....	½-2 dr.
	Opium.....	½-2 gr.

Belladonna.....	folia	1-5 gr.
Hyoscyamus.....		5-15 gr.
Stramonium.....	semen 1-3 gr., folia	1-5 gr.

Cardiac Depressant or Sedative. A drug which decreases the force or frequency, or both force and frequency, of the heart.

Aconite	½-2 gr.
Veratrum viride.....	1-5 gr.
Antimony.	
Dilute hydrocyanic acid.....	1-3 ml.

Cardiac Stimulant. A drug which increases the force or frequency, or both force and frequency, of the heart.

Digitalis.....	½-3 gr.
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Ammonia.	
Alcohol.	
Caffeine.....	1-5 gr.
Ether.....	5-60 ℥.
Nux vomica.....	1-4 gr.
Strophanthus, tr.....	2-10 ℥.
Spartein, sulph.....	$\frac{1}{10}$ -2 gr.
Adonidin.....	$\frac{1}{6}$ - $\frac{1}{3}$ gr.
Amyl nitrite.....	1-3 ℥.
Convallaria, ext. fl.....	5-30 ℥.
Sodium nitrite.....	2-5 gr.
Nitroglycerine.....	$\frac{1}{100}$ - $\frac{1}{30}$ gr.
Squill.....	1-5 gr.
Cereus grandiflorus, ext. fl.....	10-30 ℥.
Quinine.....	1-20 gr.
Opium.....	$\frac{1}{4}$ -2 gr.
Arsenic.....	$\frac{1}{80}$ - $\frac{1}{10}$ gr.
Mustard, externally.	

Carminative. A drug which causes the expulsion of gas from the stomach and intestines.

Stomachics, *q. v.*

Bitters.

Condiments.

Asafœtida, tr.....	$\frac{1}{2}$ -1 dr.
Valerian.....	10-30 gr.
Camphor.....	3-20 gr.
Ammoniacum.....	5-30 gr.

Cholagogue. A drug which increases the quantity of bile secreted.

Podophyllum.....	5-20 gr.
Aloes.....	$\frac{1}{2}$ -10 gr.
Colocynth.....	2-8 gr.
Euonymus.....	1-2 dr.
Iridin.....	1-5 gr.
Sodium phosphate.....	5 gr.-1 oz.
Ipecacuanha.....	$\frac{1}{2}$ -2 gr., 15-30 gr.
Dilute nitric acid.....	5-30 ml.
Dilute nitrohydrochloric acid.....	5-30 ml.
Corrosive sublimate.....	$\frac{1}{60}$ - $\frac{1}{10}$ gr.
Sodium benzoate.....	5-60 gr.
“ sulphate.....	1-8 dr.
Potassium “	$\frac{1}{2}$ -4 dr.
Colchicum..... radix 2-8 gr., semen	1-5 gr.
Ammonium benzoate.....	5-20 gr.
Rhubarb.....	10-30 gr.
Jalap.....	5-20 gr.
Scammony.....	5-15 gr.
Arsenic.....	$\frac{1}{60}$ - $\frac{1}{10}$ gr.

Counter-irritant. A drug or remedial agent applied to the skin with the object of altering the size of the vessels of the subjacent viscera. (See Irritants.)

Deliriant. A drug which produces a state of mental agitation, characterized by restlessness, incoherence of speech, and various sensory illusions.

Belladonna.....	folia 1-5 gr.
Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Cannabis Indica.....	2-5 gr.

Demulcent. A drug or remedial agent which protects and soothes a part, especially a mucous membrane,

Flaxseed.
Glycerine.
Gelatine.
Gum.
White of egg.
Isinglass, etc.

Diaphoretic. A drug or remedial agent which increases the amount of perspiration.

Warmth, externally.
Hot drinks.
Pilocarpus..... 5-60 gr.
Alcohol.
Dover's powder..... 3-15 gr.
Sweet spirit of nitre..... $\frac{1}{2}$ -2 dr.
Ammonium acetate, liq..... 2-8 dr.
Potassium citrate..... 5-30 gr.
" acetate..... 5-60 gr.
Antimony.
Nicotine.

Ipecacuanha	$\frac{1}{2}$ -2 gr.,	15-30 gr.
Opium.....	.....	$\frac{1}{4}$ -2 gr.
Camphor .....	.....	3-20 gr.
Senega.....	.....	10-20 gr.
Cubeb.....	.....	30-60 gr.
Colchicum.....	radix 2-8 gr., semen	1-5 gr.
Quinine .....	.....	1-20 gr.
Salicin.....	.....	5-30 gr.
Lobelia .....	.....	1-10 gr.

Diuretic. A drug or remedial agent which increases the amount of urine excreted.

Water.

Liquor potassæ.....	.....	5-30 fl.
Potassium acetate.....	5-60 gr.
“ citrate.....	5-30 gr.
“ nitrate.....	5-20 gr.
“ bicarbonate.....	5-60 gr.

Sodium acetate.....	10-60 gr.
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Lithium.

Sweet spirit of nitre.....	$\frac{1}{2}$ -2 dr.
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Nitrites.

Digitalis.....	$\frac{1}{2}$ -3 gr.
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Scoparius.....	$\frac{1}{4}$ -1 dr.
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Alcohol.

Strophanthus, tr.....	2-10 fl.
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Diuretin.....	15-30 gr.
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Calomel (small doses).

Caffeine	1-5 gr.
Squill.....	1-5 gr.
Cantharides, tr.....	1-15 ml.
Buchu	15-30 gr.
Juniper (<i>also in gin</i>).	
Turpentine.....	5-30 ml., $\frac{1}{2}$ -4 dr.
Uva ursi.....	$\frac{1}{4}$ -1 dr.
Cubeb	30-60 gr.
Copaiba	$\frac{1}{4}$ -1 dr.

Ecbolic. See **Oxytocics.**

Emetic. A drug or remedial agent capable of producing vomiting.

Acting on the Stomach.

Warm water.	
Sodium chloride.....	5-60 gr.
Alum.....	5-30 gr.
Ammonium carbonate.....	2-15 gr.
Copper sulphate.....	$\frac{1}{8}$ - $\frac{1}{2}$ gr., 2-20 gr.
Zinc "	$\frac{1}{2}$ -2 gr., 10-30 gr.
Tartar emetic.....	$\frac{1}{10}$ - $\frac{1}{2}$ -1-2 gr.
Turpeth mineral.....	2-4 gr.
Ipecacuanha	$\frac{1}{2}$ -2 gr., 15-30 gr.

Acting Centrally.

Apomorphine.....	$\frac{1}{25}$ - $\frac{1}{6}$ gr., $\frac{1}{20}$ - $\frac{1}{10}$ gr.
Tartar emetic.....	$\frac{1}{10}$ - $\frac{1}{2}$ -1-2 gr.
Ipecacuanha.....	$\frac{1}{2}$ -2 gr., 15-30 gr.

Senega.....	10-20 gr.
Squill.....	1-5 gr.
Zinc sulphate.....	$\frac{1}{2}$ -2 gr., 10-30 gr.
Copper ".....	$\frac{1}{8}$ - $\frac{1}{2}$ gr., 2-20 gr.

Antemetic. A drug or remedial agent which relieves or tends to relieve vomiting.

Acting Locally.

Ice.	
Carbonated waters.	
Very hot water.	
Bismuth subnitrate.....	5-60 gr.
" subcarbonate.....	5-60 gr.
Opium.....	$\frac{1}{4}$ -2 gr.
Dilute hydrocyanic acid.....	1-3 ml.
Cocaine (<i>hydrochlor.</i>).....	$\frac{1}{8}$ -2 gr.
Cereum oxalate.....	1-8 gr.
Tincture of iodine.....	1-5 ml.
Wine of ipecac.....	1-60 ml.
Menthol.....	$\frac{1}{2}$ -2 gr.
Carbolic acid.....	$\frac{1}{2}$ -1 gr.
Creosote.....	$\frac{1}{2}$ -2 ml.
Chloroform.....	2-20 ml.
Ether.....	5-60 ml.

Acting Centrally.

Opium	$\frac{1}{4}$ -2 gr.
Bromides.	
Chloral.....	5-20 gr.

Ammonium.

Amyl nitrite..... 1-3 ml.

Nitroglycerine..... $\frac{1}{100}$ - $\frac{1}{30}$ gr.

Dilute hydrocyanic acid..... 1-3 ml.

Alcohol.

Hyoscyamine (*sulph.*)..... $\frac{1}{60}$ - $\frac{1}{30}$ gr.

Emmenagogue. A drug which increases or restores the menstrual flow.

Apiol..... 5-15 gr.

Potassium permanganate..... $\frac{1}{2}$ -2 gr.

Manganese dioxide..... 2-10 gr.

Aloes..... $\frac{1}{2}$ -10 gr.

Cantharides, tr..... 1-15 ml.

Myrrh..... 5-30 gr.

Rue, oleum..... 1-5 ml.

Tansy..... $\frac{1}{4}$ -1 dr.

Sabine..... 5-15 gr.

Pennyroyal, oleum..... 1-5 ml.

By Improving Nutrition.

Tonics.

Iron.

Arsenic $\frac{1}{60}$ - $\frac{1}{10}$ gr.

Copper.

Emollient. An agent which softens and protects parts, especially the skin.

Hot water.

Poultices.

Bland oils, etc.

Escharotic or Caustic. An agent which destroys the vitality of the part to which it is applied.

Heat.

Sulphuric acid.

Nitric "

Chromic "

Mercuric nitrate.

Caustic potash.

 " soda.

Arsenic $\frac{1}{80}-\frac{1}{10}$ gr.

Zinc chloride.

Sodium ethylate.

Expectorant. A drug or remedial agent which aids or causes the expulsion of the bronchial secretion. They are stimulating or depressing, according to their action on the heart.

Stimulating.

Ammonium salts.

Senega 10-20 gr.

Squill 1-5 gr.

Benzoic acid 5-15 gr.

Benzoin.

Balsam of tolu 10-30 gr.

 " Peru 10-30 ml.

Sulphur 15-60 gr.

Depressing.

Antimony.

Ipecacuanha..... $\frac{1}{2}$ -2 gr., 15-30 gr.Apomorphine..... $\frac{1}{25}$ - $\frac{1}{6}$ gr., $\frac{1}{20}$ - $\frac{1}{10}$ gr.

Lobelia..... 1-10 gr.

Pilocarpus..... 5-60 gr.

Alkalies.

Potassium iodide..... 5-60+ gr.

Galactagogue. A drug which increases the quantity of milk secreted.

Pilocarpus..... 5-60 gr.

Castor-oil leaves

Alcohol.

Antigalactagogue. A drug which diminishes the quantity of milk secreted or arrests the secretion.

Belladonna..... folia 1-5 gr.

Hematinic. A drug which increases the amount of hemoglobin in the red blood cells.

Iron.

Arsenic..... $\frac{1}{60}$ - $\frac{1}{10}$ gr.

Potassium permanganate.

Copper.

Hemostatic. An agent which stops bleeding.

Cold.

Most astringents..... q. v.

Calcium chloride, in bleeders.....	5-20 gr.
Ergot	30-60 gr.

Hypnotic. A drug which produces sleep closely resembling natural sleep.

Opium.....	½-2 gr.
Chloral	5-20 gr.
Butyl chloral.....	5-20 gr.
Chloralamide.....	10-30 gr.
Bromides.....	5-60 gr.
Monobromated camphor.....	2-10 gr.
Hyoscyamus.....	5-15 gr.
Cannabis Indica	2-5 gr.
Sulphonal	15-40 gr.
Trional	7-30 gr.
Paraldehyde	½-1 dr.
Urethane.....	5-30 gr.
Somnal	15-30 ml.
Amylene hydrate.....	½-1 dr.
Humulus, tr.....	1-2 dr.
Lupulin	5-30 gr.
Lactucarium	5-60 gr.
Alcohol.	

Irritant. An agent which causes dilatation of the vessels of the part to which it is applied—generally accompanied by pain.

Heat.

Aqua ammoniæ	10-20 ml.
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Mercuric nitrate.	
Arsenous acid.....	$\frac{1}{60}-\frac{1}{10}$ gr.
Tartar emetic.....	$\frac{1}{10}-\frac{1}{2}-1-2$ gr.
Antimony chloride.	
Silver nitrate	$\frac{1}{4}-1$ gr.
Zinc chloride.	
Iodine.	
Bromine.	
Chlorine.	
Phosphorus.....	$\frac{1}{100}-\frac{1}{20}$ gr.
Cantharides, tr.....	1-15 ml.
Croton oil.....	$\frac{1}{4}-2$ ml.
Copper nitrate.	
" sulphate.....	$\frac{1}{8}-\frac{1}{2}$ gr., 2-20 gr.
Volatile oils.	
Chrysarobin.	
Camphor.....	3-20 gr.
Capsicum.....	1-8 gr.
Senega	10-20 gr.
Ipecac	$\frac{1}{2}-2$ gr., 15-30 gr.
Mineral acids.	
Carbolic acid.....	$\frac{1}{2}-1$ gr.
Creosote	$\frac{1}{2}-2$ ml.
Alcohol.	
Chloroform	$2-20$ ml. }
Ether.....	5-60 ml. }
Burgundy pitch.	
Canada "	

Mydriatic. A drug which dilates the pupil.

Atropine (sulph.).....	$\frac{1}{20}-\frac{1}{20}$ gr.
Homatropine (hydrobrom.)	$\frac{1}{20}-\frac{1}{20}$ gr.
Hyoscyamine (sulph.).....	$\frac{1}{60}-\frac{1}{30}$ gr.
Daturine.	
Cocaine (hydrochlor.)	$\frac{1}{8}-2$ gr.
Gelsemine	$\frac{1}{60}-\frac{1}{20}$ gr.
Muscarine.....	$\frac{1}{8}-2$ gr.
Anæsthetics (late).	

Miotic. A drug which contracts the pupil.

Physostigmine (sulph.).....	$\frac{1}{100}-\frac{1}{30}$ gr.
Opium.....	$\frac{1}{4}-2$ gr.
Pilocarpine (hydrochlor.)	$\frac{1}{8}-\frac{1}{2}$ gr.
Nicotine.	
Anæsthetics (early).	

Narcotic. A drug which causes an unequal disturbance of the functions of the brain (Brunton). A substance which not only produces sleep, but also in large doses depresses the functions of respiration and circulation (White).

General anæsthetics.

Opium.....	$\frac{1}{4}-2$ gr.
Chloral.....	5-20 gr.
Belladonna.....	folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Stramonium.....	folia 1-5 gr., semen 1-3 gr.

Alcohol.

Cannabis Indica..... 2-5 gr.

Lupulin..... 5-30 gr.

Oxytocic. A drug which increases uterine contraction during or immediately after labor.

Ergot..... 30-60 gr.

Tansy..... $\frac{1}{4}$ -1 dr.

Rue, oleum..... 1-5 ml.

Sabine..... 5-15 gr.

Cotton-root bark..... $\frac{1}{4}$ -1 dr.

Quinine..... 1-20 gr.

Hydrastis 5-60 gr.

Purgatives are subdivided as follows:

Laxatives, which promote the action of the bowels by slightly stimulating peristalsis:

Brown bread, etc., containing cellulose residue.

Sugars.

Fruits, *e.g.*,

Prune,

Fig,

Apples (with skin).

Cassia..... 1-8 dr.

Olive oil..... freely.

Castor oil (in small doses).

Glycerine..... 5-60 ml.

Sulphur 15-60 gr.

Magnesium.

Nux vomica.....	1-4 gr.
Belladonna	folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Stramonium.....	semen 1-3 gr., folia 1-5 gr.

Simple Purgatives, which promote the action of the bowels by stimulating peristalsis and increasing the secretion.

Rhubarb	1-5 gr., 10-30 gr.
Aloes.....	$\frac{1}{2}$ -10 gr.
Cascara sagrada.....	$\frac{1}{4}$ -1 dr.
Senna.....	1-3 dr.
Ox-gall.....	5-15 gr.

Drastic Purgatives or Cathartics, which are more powerful than simple purgatives, and act by actively stimulating peristalsis and the intestinal secretion.

Calomel.....	$\frac{1}{10}$ -10 gr.
Colocynth.....	2-8 gr.
Podophyllum.....	5-20 gr.
Aloes.....	$\frac{1}{2}$ -10 gr.
Gamboge.....	1-5 gr.
Turpentine	5-30 fl., $\frac{1}{2}$ -4 dr.
Croton oil.....	$\frac{1}{4}$ -2 fl.

Hydragogue Cathartics, or cathartics which cause the secretion of large quantities of liquid.

Elaterin.....	$\frac{1}{20}$ - $\frac{1}{12}$ gr.
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Jalap	5-20 gr.
Scammony.....	5-15 gr.

Saline Purgatives are mineral salts which act by extracting liquid from the blood, the presence of the liquid stimulating peristalsis.

Magnesium sulphate.....	$\frac{1}{4}$ -1 oz.
Sodium "	1-8 dr.
" phosphate.....	5 gr.-1 oz.
Potassium and sodium tartrate.....	$\frac{1}{4}$ -1 oz.
" bitartrate.....	$\frac{1}{2}$ -4 dr.
" sulphate	$\frac{1}{2}$ -4 dr.

Cholagogue Purgatives. See CHOLAGOGUES.

Restorative. "That which is efficacious in restoring vigor; a food, cordial, or medicine which recruits the vital powers" (Century Dict.).

Examples:

Cod-liver oil	1-4 dr.
Iron.	
Quinine.....	1-20 gr.
Vegetable bitters.	

Rubefacient. An agent which produces redness of the skin, at the point of application, through vascular dilatation.

See IRRITANT.

Sedative. A drug or remedial agent which pos-

sesses the property of allaying irritation, irritability, or pain.

Sialagogue. A drug or agent which increases the secretion of saliva.

Acting on Nerve-endings.

Pilocarpus.....	5-60 gr.
Muscarin.....	$\frac{1}{8}$ -2 gr.
Iodine.	
Mercury.	
Tobacco.	
Physostigma.....	$\frac{1}{2}$ -2 gr.

Acting Reflexly.

Acids.	
Acid salts.	
Sapid substances.	
Alcohol.	
Chloroform	2-20 ml.
Ether.....	5-60 ml.
Emetics.	
Antimony.	
Ipecacuanha.....	$\frac{1}{2}$ -2 gr., 15-30 gr.

Antisialagogue. A drug or agent which diminishes the secretion of saliva.

Acting on Nerve-endings.

Belladonna.....	folia 1-5 gr.
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Hyoscyamus..... 5-15 gr.
 Stramonium..... semen 1-3 gr., folia 1-5 gr.
 Nicotine (excess).

Acting Reflexly.

Alkalies.
 Opium..... $\frac{1}{4}$ -2 gr.

Soporific. See HYPNOTIC.

Stimulant. A drug or remedial agent which temporarily quickens some function or trophic process.
Diffusible Stimulant—one which has a speedy and transient effect

Stomachic. A drug which increases the amount of gastric juice secreted, promotes the appetite, and increases the movements of the stomach.

Aromatics.
 Bitters.
 Condiments.
 Alkalies.
 Alcohol.
 Ether..... 5-60 ml.
 Chloroform 2-20 ml.
 Magnesia 5-60 gr.

Styptic. An agent capable of arresting hemorrhage when locally applied. Generally applies to capillary oozing. See HEMOSTATIC and ASTRINGENT.

Tonic. A drug which makes a person feel in more robust health than he did before taking it.

Vaso-constrictor. A drug which constricts the blood-vessels by acting on the vaso-motor apparatus.

Digitalis.....	$\frac{1}{2}$ -3 gr.
Strophanthus, tr.....	2-10 ml.
Spartein.....	$\frac{1}{10}$ -2 gr.
Squill.....	1-5 gr.
Hamamelis, fl. ext.....	$\frac{1}{2}$ -2 dr.
Strychnia (sulph.).....	$\frac{1}{60}$ - $\frac{1}{12}$ gr.
Ergot (probably).	
Many alkaloids.	

Vaso-dilator. A drug which dilates the blood-vessels by acting on the vaso-motor apparatus.

Amyl nitrite.....	1-3 ml.
Sodium “	2-5 gr.
Nitroglycerine.....	$\frac{1}{100}$ - $\frac{1}{30}$ gr.
Belladonna.....	folia 1-5 gr.
Stramonium.....	semen 1-3 gr., folia 1-5 gr.
Hyoscyamus.....	5-15 gr.
Alcohol.	
Chloroform.....	2-20 ml.
Ether.....	5-60 ml.
Chloral.....	5-20 gr.
Aconite.....	$\frac{1}{2}$ -2 gr.
Tartar emetic.....	$\frac{1}{10}$ - $\frac{1}{2}$ -1-2 gr.

Ipecacuanha	$\frac{1}{2}$ -2 gr.,	15-30 gr.
Lobelia	1-10 gr.	
Tobacco.		
Hydrocyanic acid (dil.).....	1-3 ml.	
Quinine.....	1-20 gr.	
Veratrine.....	$\frac{1}{30}$ - $\frac{1}{10}$ gr.	

VARIOUS GROUPINGS.

DRUGS WHICH MAY PRODUCE ERUPTIONS.

Arsenic.....	$\frac{1}{60}$ — $\frac{1}{10}$ gr.
Acetanilide.....	2—5 gr.
Antipyrin.....	3—20 gr.
Belladonna.....	folia 1—5 gr.
Bromides.....	5—60 gr.
Chloral.....	5—20 gr.
Copaiba.....	$\frac{1}{4}$ —1 dr.
Cubeb	30—60 gr.
Iodides.	
Opium	$\frac{1}{4}$ —2 gr.
Phenacetine.....	5—10 gr.
Quinine	1—20 gr.
Salicylic acid.....	5—60 gr.
Sulphonal	15—40 gr.
Turpentine.....	5—30 ml, $\frac{1}{2}$ —4 dr.

DRUGS EXCRETED IN THE MILK.

Aloes.....	$\frac{1}{2}$ —10 gr.
Arsenic	$\frac{1}{60}$ — $\frac{1}{10}$ gr.
Antimony.	

Bromides.....	5-60 gr.
Castor oil.	
Copaiba.....	$\frac{1}{4}$ -1 dr.
Garlic	15-30 gr.
Iodides.	
Iron.	
Jalap	5-20 gr.
Lead.	
Mercury.	
Opium.....	$\frac{1}{4}$ -2 gr.
Quinine	1-20 gr.
Rhubarb	1-5 gr., 10-30 gr.
Scammony.....	5-15 gr.
Senna	1-3 dr.
Sulphur.....	15-60 gr.
Turpentine.....	5-30 fl., $\frac{1}{2}$ -4 dr.
Volatile oils.	
Zinc.	

DRUGS WHICH AFFECT THE COLOR OF THE FECES.

Iron—black.

Bismuth—dark slate color or black.

Calomel—spinach-green.

Logwood—red.

All cholagogues render the feces darker.

Gastro-intestinal irritants may cause the appearance of blood.

DRUGS AFFECTING COLOR OF URINE.

Carbolic acid—dark from presence of pyrocatechin and hydrochinon.

Diuretics all lower color.

Hæmatoxylin (*logwood*)—reddish or violet.

Potassium chlorate—paroxysmal hemoglobinuria (sometimes).

Renal irritants—dark from concentration of blood (hematuria).

Rhubarb—yellow.

Santonin—greenish-yellow or saffron, if acid; purplish red, if alkaline.

Senna—reddish.

DRUGS WHICH MAY CAUSE THE URINE TO REDUCE FEHLING'S SOLUTION AND TO RESPOND TO SOME OTHER TESTS FOR SUGAR.

Acetanilidum.....	2-5 gr.
Acidum arsenosum.....	$\frac{1}{60}$ - $\frac{1}{10}$ gr.
“ hydrocyanicum dilutum.....	1-3 ml.
“ salicylicum.....	5-60 gr.
“ sulphuricum dilutum	10-30 ml.
Alcohol.	
Amyl nitris.....	1-3 ml. (inhaled)

Chloral	5-20 gr.
Chloroformum	2-20 fl.
Copaiba	½-1 dr.
Glycerinum	5-60 fl.
Mercury, salts of.	
Morphia, " "	½-1 gr.
Strychninæ sulphas	1/60-1/2 gr.
Oleum terebinthinæ	5-30 fl., ½-4 dr.

GASTRO-INTESTINAL IRRITANTS.

Colchicum, radix	2-8 gr.	Sometimes in medicinal doses.
" semen	1-5 gr.	
Creosotum	½-2 fl.	
Digitalis	½-3 gr.	
Salicylic acid	5-60 gr.	
Scilla	1-5 gr.	
Strophanthus, tr	2-10 fl.	
Alum	5-30 gr.	
Antimonii et potassii tartras (<i>tartar emetic</i>)	1-2 gr.	Useful as emetics.
Cupri sulphas	2-20 gr.	
Ipecacuanha	15-30 gr.	
Sinapis (<i>mustard</i>)	1+ dr.	
Zinci sulphas	10-30 gr.	
Acidum carbolicum	½-1 gr.	
Cantharis, tr	1-15 fl.	

Guaiaci lignum	$\frac{1}{4}$ -1 dr.
Mercuric salts.....	strongly.
Mercurous "	mildly.
Nicotina.	
Oleum tiglii.....	$\frac{1}{2}$ -2 ml.
Phosphorus.....	$\frac{1}{100}$ - $\frac{1}{20}$ gr.
Scammonium.....	5-15 gr.
Volatile oils.	
Alcohol.	
Arnica, flores	10-20 gr.
" radix.....	5-20 gr.
Arsenic	$\frac{1}{60}$ - $\frac{1}{10}$ gr.
Chloral.....	5-20 gr.
Chloroform	2-20 ml.
Granatum	$\frac{1}{2}$ - $1\frac{1}{2}$ dr.
Lead salts.	
Physostigma	$\frac{1}{2}$ -2 gr.
Serpentaria	10-30 gr.

In large
doses.

ALKALOIDS : THEIR SOURCES AND SALTS.

ACONITUM (*monkshood*):

- 1 Aconitina..... $\frac{1}{200}$ gr. with caution.
- 2 Napellina (nepellina, pseudo-aconitina), $\frac{1}{6}-\frac{1}{2}$ gr.

AMANITA MUSCARIA (*fly fungus*):

- 1 Muscarina..... $\frac{1}{8}-2$ gr.

ASAGREA OFFICINALIS:

Veratrina (a mixture of alkaloids)..... $\frac{1}{80}-\frac{1}{10}$ gr.

BELLADONNA (*deadly nightshade*):

- 1 Atropina..... $\frac{1}{120}-\frac{1}{60}$ gr.
- Atropinæ sulphas..... $\frac{1}{120}-\frac{1}{60}$ gr.

Derived from atropina:

- Homatropinæ hydrobromas..... $\frac{1}{120}-\frac{1}{20}$ gr.
- 2 Belladonina, probably identical with *hyoscyamina*.

CINCHONA:

1	Quinina.....	1-20 gr.
	Quininæ bisulphas.....	1-20 gr.
	“ hydrobromas.....	1-20 gr.
	“ valerianas	1-30 gr.
	“ sulphas.....	1-20 gr.
	“ hydrochloras.....	1-20 gr.
2	Quinidina.	
	Quinidinæ sulphas.....	1-20 gr.
3	Cinchonina.....	1-30 gr.
	Cinchoninæ sulphas.....	1-30 gr.
4	Cinchonidina.	
	Cinchonidinæ sulphas.....	1-30 gr.

COCA:

Cocaina.	
Cocainæ hydrochloras.....	½-2 gr.

COLCHICUM:

1	Colchicina.....	$\frac{1}{130}-\frac{1}{30}$ gr.
	Changed by acids into	
2	Colchiceina.....	$\frac{1}{130}-\frac{1}{64}$ gr.

DUBOISIA MYOPOROIDES:

1	Duboisina, probably identical with <i>hyoscina</i> .	
	Duboisinæ sulphas, in discs containing $\frac{1}{5000}$ gr.,	to dilate pupil.

ERGOTA (*secale cornutum, secale cereale*):

- 1 Ergotina.
- 2 Ecbolina.
- 3 Ergotinina.
- 4 Cornutina.
- 5 Sphacelic acid (believed to contract the blood vessels).

GELSEMIUM (*yellow jasmine*):

Gelsemina..... $\frac{1}{60}-\frac{1}{20}$ gr.
 Gelatin discs, $\frac{1}{60}$ gr., prepared for use in the eye.

GRANATUM (*pomegranate*):

- 1 Pelletierina.

Pelletierinæ sulphas..... 6 gr.
 (with tannin 8 gr., water 1 oz.: brisk cathartic in half hour.)

Pelletierinæ tannas..... 8-24 gr.
 (in water 1 oz.: brisk cathartic.)
- 2 Three allied alkaloids.

HYDRASTIS (*golden seal*):

- 1 Hydrastina.

Derived from hydrastina:

Hydrastinina.

Hydrastininae hydrochloras..... $1\frac{1}{2}-\frac{1}{4}$ gr.

2 Berberina (also found in many plants),
dose { stomachic and tonic, $\frac{1}{2}$ -1 gr.
 { antiperiodic..... 8-15 gr.

HYOSCYAMUS (*henbane*):

I Hyoscyamina.

Hyoscyaminæ sulphas..... 1 1/20 gr.
" hydrobromas..... 1 1/20 gr.

2 *Hyoscina* (probably identical with *duboisina*).

Hyoscinae hydrobromas..... $\frac{1}{150}$ - $\frac{1}{100}$ gr.

3 Scopolamina.

IPECACUANHA:

Emetina (Merck's, dose { emetic.... $\frac{1}{16}$ - $\frac{1}{8}$ gr.
expectorant, $\frac{1}{120}$ - $\frac{1}{60}$ gr.)

LOBELIA:

Lobelina.

Lobelinae sulphas (Merck's, dose 1 gr. per day, gradually increasing to 3-8 gr. per day).

NUX VOMICA (*poison nut, dog button*):

1 Strychnina.....	$\frac{1}{60}-\frac{1}{20}$ gr.
Strychninæ sulphas.....	$\frac{1}{60}-\frac{1}{15}$ gr.

2 Brucina-

Strychnina is contained in other plants of the natural order *Loganiaceæ*.

OPIUM:

1 Morphina.

Morphinæ sulphas.....	}	$\frac{1}{8}$ — $\frac{1}{4}$ gr.
“ acetas		
“ hydrochloras.....		

Derived from Morphina:

Apomorphinæ hydrochloras,

dose {	hypodermically, $\frac{1}{25}$ — $\frac{1}{6}$ gr.
	by mouth..... $\frac{1}{20}$ — $\frac{1}{10}$ gr.

2 Codeina.....	$\frac{1}{4}$ — $\frac{1}{2}$ gr.
Codeinæ phosphas.....	$\frac{1}{4}$ — $\frac{1}{2}$ gr.

3 Thebaina.	
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4 Narceina.....	$\frac{1}{4}$ — $\frac{1}{2}$ gr.
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PHYSOSTIGMA (*Calabar bean*):

Physostigmina = Eserine.

Physostigminæ salicylas.....	$\frac{1}{100}$ — $\frac{1}{30}$ gr.
“ sulphas.....	$\frac{1}{100}$ — $\frac{1}{30}$ gr.

PILOCARPUS (*jaborandi*):

Pilocarpina.

Pilocarpinæ hydrochloras.....	$\frac{1}{8}$ — $\frac{1}{4}$ gr.
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SCOPARIUS (*broom corn*):

Sparteina.

Sparteinæ sulphas.....	$\frac{1}{10}$ — $\frac{1}{2}$ gr.
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STRAMONIUM (*thorn apple, Jamestown weed*):

- 1 Daturina, a mixture of hyoscyamina and atropina.
- 2 Scopolamina.

TABACUM:

Nicotina.

VERATRUM VIRIDE (*American hellebore*):

- 1 Jervina.
- 2 Pseudo-jervina.
- 3 Veratroidina.

ACTIVE PRINCIPLES OF DRUGS OTHER THAN ALKALOIDS.

ADONIS VERNALIS:

Adonidin, glucoside. $\frac{1}{6}$ — $\frac{1}{8}$ gr.

ALOES... $\frac{1}{2}$ —10 gr.

Aloin, neutral principle. $\frac{1}{2}$ —2 gr.

ANAMIRTA PANICULATA:

Picrotoxin, neutral principle from seed, $\frac{1}{120}$ — $\frac{1}{60}$ gr.

ASPIDIUM (*male fern, filix-mas*). $\frac{1}{2}$ — $1\frac{1}{2}$ dr.

Filicic Acid, said to be active principle (Merck's,
 $7\frac{1}{2}$ —15 gr.)

BENZOIN:

Acidum benzoicum. 5—15 gr.

CANTHARIS (*Spanish fly*):

Cantharidin,

CASSIA FISTULA (*purging cassia*)..... 1-8 dr.
 Cathartic Acid, glucoside, purgative principle.
 Also contained in senna.

CAFFEA ARABICA (*coffee*). }
THEA SINENSIS (*tea*). }
 Caffeina, feebly basic, proximate principle, 1-5 gr.
 " citrata..... 2-8 gr.
 " " effervescens..... 1-4 dr.

COLOCYNTHIS (*bitter calumba*)..... 2-8 gr.
 Colocynthin, glucoside (Merck's, $\frac{1}{6}$ - $\frac{2}{3}$ gr.)

CONVALLARIA (*lily of the valley*):
 Convallamarin, glucoside (Merck's, $\frac{3}{4}$ -1 gr.)

CURARE (*woorara, urari*)..... $\frac{1}{25}$ - $\frac{1}{2}$ gr.
 Curarina (Merck's: injection, $\frac{1}{60}$ - $\frac{1}{12}$ gr.)

CUSSO (*brayera, kousso*):
 Kousin or kosin, neutral principle..... 20-40 gr.

DIGITALIS (*foxglove*)..... $\frac{1}{2}$ -3 gr.
 The glucosides:
 Digitoxin, the most active, poisonous,
 cumulative (Merck's, $\frac{1}{250}$ - $\frac{1}{25}$ gr.)
 Digitalin (Merck's; "German"; $\frac{1}{64}$ - $\frac{1}{32}$ gr.)

Digitalein.....	subcutaneously	$\frac{1}{100}$ gr.
Digitonin, probably identical with saponin of senega, cardiac depressant.....		$\frac{1}{300}$ — $\frac{1}{100}$ gr.

ELATERIUM (*squirting cucumber*):

Elaterin, neutral principle.....	$\frac{1}{20}$ — $\frac{1}{12}$ gr.
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EUCALYPTUS..... $\frac{1}{2}$ —2 dr.

Eucalyptol, neutral body from oleum eucalypti	5—30 ml.
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GALLA (*nutgall*):

Acidum tannicum.....	1—20 gr.
Found in many plants.	
Acidum gallicum	5—20 gr.

GLYCYRRHIZA (*licorice root*):

Glycyrrhizin, glucoside.....	5—15 gr.
Glycyrrhizinum ammoniatum (official)...	5—15 gr.

GOA POWDER (*Araroba powder*):

(Deposited in wood of *andira araroba*.)

Chrysarobinum (*Rhein, chrysophan, chrysophanic acid*). Also from rheum.

GUARANA (*Brazilian cocoa*)..... $\frac{1}{4}$ —1 dr.

Guararina, identical with caffeine.

HUMULUS (*hops*):

Lupulin, a glandular powder	5-30 gr.
Ext. fl.	5-30 fl.
Oleoresina.....	1-5 gr.

IRIS VERSICOLOR (*blue flag*):

Iridin, resin.....	1-5 gr.
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JALAPA..... 5-20 gr.

Jalapurgin (*convolvulin*), glucoside. Most active ingredient.

Jalapin, resinous substance, probably identical with scammonin.

MENTHA PIPERITA (*peppermint*):

Menthol, a stearopten.....	1-2 gr.
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PIPER (*black pepper*) 5-20 gr.

Piperinum, neutral principle..... 1-10 gr.

Also from others of order *Piperaceæ*.

PODOPHYLLUM (*May apple, mandrake*), 5-20 gr.

Podophyllin, official resin $\frac{1}{8}$ -1 gr.

Podophyllotoxin, resinous principle (Merck's,
 $\frac{1}{12}$ - $\frac{1}{8}$ gr.)

Saponin. See *DIGITALIS* and *SENEGA*.

QUASSIA:

Quassassin, bitter principle.....	$\frac{1}{8}$ - $\frac{1}{4}$ gr.
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SANTONICA (*Levant wormsseed*) 15-60 gr.
 Santonin, neutral principle..dose { child $\frac{1}{4}$ -1 gr.
 { adult 1-5 gr.

SCAMMONIUM 5-15 gr.
 Scammonin, resinous substance, probably identical with jalapin.

SCILLA (*squill*) 1-5 gr.
 Scillitoxin (*scillain*), glucoside, most active principle (Merck's, $\frac{1}{80}$ - $\frac{1}{30}$ gr.).
 Scillipicrin, bitter principle (Merck's, subcutaneously, $\frac{1}{2}$ -1 gr.)
 Scillin, glucoside.

SENEGA 10-20 gr.
 Senegin or saponin, glucoside, acts like digitonin.

SENNA 1-3 dr.
 Cathartic Acid, glucoside, purgative principle.

STROPHANTHUS:

Strophanthin, glucoside (Merck's,
 $\frac{1}{300}$ - $\frac{1}{200}$ - $\frac{1}{120}$ gr.)
 Strophanthin tannate (Merck's, $\frac{1}{150}$ - $\frac{1}{60}$ gr.)

OLEUM THYMI:

Thymol, a phenol (a stearopten in B. P.) 1-15 gr.
 Also from volatile oils of *monarda punctata* and *carum ajowan*.

DRUGS WITH MAXIMUM DOSE ONE-TENTH GRAIN OR LESS.

1 Acidum arsenosum.....	$\frac{1}{60}-\frac{1}{10}$	gr.	
2 Aconitina.....	$\frac{1}{200}$	gr.	
	(with caution)		
3 Apomorphinæ hydrochloras,			
	dose { by mouth	$\frac{1}{20}-\frac{1}{10}$	gr.
	{ injection	$\frac{1}{25}-\frac{1}{6}$	gr.
4 Atropina.....	$\frac{1}{120}-\frac{1}{60}$	gr.	
5 Atropinæ sulphas.....	$\frac{1}{120}-\frac{1}{20}$	gr.	
6 Auri et sodii chloridum.....	$\frac{1}{30}-\frac{1}{10}$	gr.	
7 Digitalein.....	$\frac{1}{100}$	gr.	
	(injection.)		
8 Digitalin (Merck's "German").....	$\frac{1}{64}-\frac{1}{32}$	gr.	
9 Digitonin.....	$\frac{1}{300}-\frac{1}{100}$	gr.	
10 Elaterinum.....	$\frac{1}{20}-\frac{1}{12}$	gr.	
11 Hydrargyri chloridum corrosivum....	$\frac{1}{60}-\frac{1}{10}$	gr.	
12 " iodidum rubrum.....	$\frac{1}{60}-\frac{1}{10}$	gr.	
13 Hyoscinæ hydrobromas.....	$\frac{1}{150}-\frac{1}{100}$	gr.	
14 Hyoscyaminæ "	$\frac{1}{60}-\frac{1}{30}$	gr.	
15 " sulphas.....	$\frac{1}{60}-\frac{1}{30}$	gr.	

158 MAXIMUM DOSES OF ONE-TENTH GRAIN OR LESS.

16	Nitroglycerinum ,.....	$\frac{1}{100}-\frac{1}{80}$	gr. (contained in spr. glonoini.)
17	Phosphorus (in pill).....	$\frac{1}{100}-\frac{1}{20}$	gr.
18	Physostigminæ salicylas.....	$\frac{1}{100}-\frac{1}{30}$	gr.
19	“ sulphas.....	$\frac{1}{100}-\frac{1}{30}$	gr.
20	Sodii arsenas	$\frac{1}{30}-\frac{1}{10}$	gr.
21	Strychnina	$\frac{1}{60}-\frac{1}{20}$	gr.
22	Strychninæ sulphas.....	$\frac{1}{60}-\frac{1}{12}$	gr.

DRUGS KNOWN BY COMMON AND OTHER NAMES.

Adhesive plaster—Emplastrum resinæ.

Ammonia, baker's—Ammonii carbonas, 2-15 gr.

Basham's mixture—Liquor ferri et ammonii acetatis,
1-4 dr.

Basilicon ointment—Ceratum resinæ.

Battley's solution—Liquor opii sedativus (not official),
containing 50%+ of tr. opii.

Black draught—Infusum sennæ compositum, 1-2 oz.

Black drop—Acetum opii (10%), 3-20 fl.

Also applied to Acetum opii crocatum (40%).

Blaud's pill—Pilulæ ferri carbonatis, 1-2 pills.

Bleaching powder—Calx chlorata.

Blue mass—Massa hydrargyri (33%), $\frac{1}{2}$ -15 gr.

“ ointment—Unguentum hydrargyri (50%).

“ pill—Massa hydrargyri.

“ vitriol } Cupri sulphas, { astringent $\frac{1}{8}$ - $\frac{1}{2}$ gr.

“ stone } { emetic... 2-20 gr.

Brandy—*Spiritus vini gallici* (39-47%).

Broom corn—*Scoparius*, $\frac{1}{4}$ -1 dr.

Brown mixture—*Mistura glycyrrhizæ composita*, 1-4 dr.

Burnett's fluid—Solution of zinc chloride, sp. gr. 2.0.

Cacao butter—*Oleum theobromatis*.

Cade, oil of—*Oleum cadini* (*Oleum juniperi empyreumaticum*).

Calabar bean—*Physostigma*, $\frac{1}{2}$ -2 gr. of powdered beans.

Calomel—*Hydrargyri chloridum mite*, $\frac{1}{10}$ -10 gr

Carron oil—*Linimentum calcis*.

Castile soap (hard soap)—*Sapo*.

Castor oil—*Oleum ricini*, $\frac{1}{2}$ -2 oz.

Cayenne pepper—*Capsicum*, 1-8 gr.

Chalybeate pill—*Pilulæ ferri carbonatis*, 1-2 pills.

Cherry, wild—*Prunus Virginiana*, $\frac{1}{2}$ -1 dr.

Chloric ether—*Spiritus chloroformi*, $\frac{1}{2}$ -1 dr.

Cod-liver oil—*Oleum morrhuae* (*Oleum jecoris aselli*), 1-4 dr.

Cold cream—*Unguentum aquæ rosæ*.

Common salt—*Sodii chloridum*, 5-60 gr.

Condy's fluid—*Potassii permanganas*, 8 gr.; water, 1 oz.

Copperas (green vitriol)—*Ferri sulphas* (impure).

Corrosive sublimate—*Hydrargyri chloridum corrosivum*, $\frac{1}{60}$ - $\frac{1}{10}$ gr.

Coster's paste—Iodine, 2 dr.; oleum picis liquidæ, 1 oz.

Cotton, absorbent—Gossypium purificatum.

Couch grass—Triticum, 1-8 dr.

Court plaster—Emplastrum ichthyocollæ.

Croton oil—Oleum tiglii, $\frac{1}{2}$ -2 ℥.

Culver's root—Leptandra, $\frac{1}{4}$ -1 dr.

Dandelion—Taraxacum, 1-3 dr.

Deadly nightshade—Belladonna (folia), 1-5 gr.

Diachylon plaster—Emplastrum plumbi.

Dinner pill—Pilulæ aloes et masticæ, 1-3 pills.

Dog button (poison nut)—Nux vomica, 1-4 gr.

Donovan's solution—Liquor arseni et hydrargyri iodidi (1% of each), 1-10 ℥.

Dover's powder—Pulvis opii et ipecacuanhæ (10% of each), 3-15 gr.

Dutch liquid—Æthylenum bichloridum.

Epsom's salt—Magnesii sulphas, $\frac{1}{4}$ -1 oz.

Eserine—Physostigmina.

Fern, male (filix-mas)—Aspidium, $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.

Fleming's tincture—A tincture of aconite twice as strong as official tincture, $\frac{1}{2}$ -2 ℥.

Foxglove—Digitalis, $\frac{1}{2}$ -3 gr.

Fowler's solution—Liquor potassii arsenitis (1%), 2-10 ℥.

Friar's balsam—*Tinctura benzoini composita*, $\frac{1}{2}$ -1 dr.
 Fusel oil—*Alcohol amylicum*.

Glauber's salt—*Sodii sulphas*, 1-8 dr.

Goulard's cerate—*Ceratum plumbi subacetatis*.

“ extract—*Liquor plumbi subacetatis*.

Gray powder—*Hydrargyrum cum creta* (38%), $\frac{1}{2}$ -10 gr.

Green vitriol—*Ferri sulphas* (impure).

Gregory's powder—*Pulvis rhei compositus*, $\frac{1}{2}$ -1 dr.

Griffith's mixture—*Mistura ferri composita*, 2-4 dr.

Gypsum (plaster of Paris)—*Calcii sulphas exsiccatus*.

Hartshorn—*Ammonii carbonas*, 2-15 gr.

Haschisch—*Cannabis Indica*, 2-5 gr.

Hellebore, American—*Veratrum viride*, 1-5 gr.

Hemlock—*Conium*, 2-5 gr.

Hemp, Indian—*Cannabis Indica*, 2-5 gr.

“ Canadian—*Apocynum*,

dose { emetic... 10-20 gr.
alterative, 2-5 gr.

Henbane—*Hyoscyamus*, 5-15 gr.

Hive syrup—*Syrupus scillæ compositus*, 5-30 ℥.

Hoffman's anodyne—*Spiritus ætheris compositus*, 5-60 ℥.

Jaborandi—*Pilocarpus*, 5-60 gr.

James' powder—*Pulvis antimonialis*, 3-15 gr.

Jamestown weed ("Jimson" weed)—Stramonium, (seed) 1-3 gr., (leaves) 1-5 gr.

Jasmine, yellow—Gelsemium, 5-10 gr.

Labarraque's solution—Liquor sodæ chloratæ, $\frac{1}{2}$ -1 dr.

"Lady Webster" pill—see Dinner pill.

Laudanum—Tinctura opii (10%), 3-20 fl. oz.

Licorice, compound powder—Pulvis glycyrrhizæ compositus, $\frac{1}{2}$ -2 dr.

Lugol's solution—Liquor iodi compositus (5%), 1-10 fl. oz.

Lunar caustic—Argenti nitras, $\frac{1}{4}$ -1 gr. in pill.

Magendie's solution—Morphinæ sulphas, 16 gr.; water, 1 oz.

Mandrake } Podophyllum, 5-20 gr.
May-apple }

Mercurial ointment—Unguentum hydrargyri (50%).

Mercury biniodide—Hydrargyri iodidum rubrum, $\frac{1}{10}$ - $\frac{1}{10}$ gr.

Mercury protoiodide—Hydrargyri iodidum flavum, $\frac{1}{6}$ -1 gr.

Mindererus, spirit of—Liquor ammonii acetatis, 2-8 dr.

Monsel's solution—Liquor ferri subsulphatis, 2-10 fl. oz.

Morphia, U. S. P. solution of—Morphinæ sulphas, 1 gr.; water, 1 oz.

Nitre (saltpetre)—Potassii nitratas, 5-20 gr.

“ sweet spirit of—Spiritus ætheris nitrosi, $\frac{1}{2}$ -2 dr.

Norwood's tincture—Tinctura veratri viridis, 2-10 fl.

Oil of vitriol—Acidum sulphuricum.

Opodeldock—Linimentum saponis.

Paregoric—Tinctura opii camphorata (2 gr. to 1 oz.),
1-4 dr.

Pearson's solution—Liquor sodii arsenatis (1%), 1-10 fl.

Pearson's solution is really one-tenth as strong as
the official liquor sodii arsenatis.

Plaster of Paris—Calcii sulphas exsiccatus.

Plummer's pills—Pilulæ antimonii compositæ, 1-3 pills.

Poison nut—Nux vomica, 1-4 gr.

Pomegranate—Granatum, $\frac{1}{2}$ -1 $\frac{1}{2}$ dr.

Poppy—Opium, $\frac{1}{2}$ -2 gr.

Port wine—Vinum portense.

Precipitate, red—Hydrargyri oxidum rubrum, $\frac{1}{4}$ -1 gr.
“ white—Hydrargyrum ammoniatum.

Prussic acid—Acidum hydrocyanicum.

Pulvis purgans—Pulvis jalapæ compositus, $\frac{1}{4}$ -1 dr.

Pumpkin seed—Pepo, 1-3 oz.

Quevenne's iron—Ferrum reductum, 1-5 gr.

Quicksilver—Hydrargyrum.

Rochelle salt—*Potassii et sodii tartras*,

dose { diuretic 30-60 gr.
 purgative $\frac{1}{4}$ -1 oz.

Sacred bark—*Rhamnus purshiana* (*cascara sagrada*).

Sal ammoniac—*Ammonii chloridum*, 1-30 gr.

“ soda—*Sodii carbonas*, 5-15 gr.

“ volatile—*Spiritus ammoniae aromaticus*, $\frac{1}{2}$ -2 dr.

Salts of tartar—*Potassii carbonas*, 5-30 gr.

Seidlitz powder—*Pulvis effervescens compositus*, 1 powder.

Sherry—*Vinum xericum*.

Soda, baking—*Sodii bicarbonas*, 5-60 gr.

Spanish fly—*Cantharis*.

Spirit of nitroglycerine—*Spiritus glonoini* (1%), 1-3 ml.

Sugar of lead—*Plumbi acetas*, $\frac{1}{2}$ -5 gr.

Sydenham's laudanum—*Vinum opii* (10%), 3-20 ml.

Tartar emetic—*Antimonii et potassii tartras*,
 $\frac{1}{10}$ - $\frac{1}{2}$ -1-2 gr.

Tartar, cream of—*Potassii bitartras*,

dose { diuretic 20-60 gr.
 purgative $\frac{1}{2}$ -4 dr.

Thornapple seed—*Stramonii semen*, 1-3 gr.

Tully's powder—*Pulvis morphinæ compositus* (1 gr. to 1 dr.), 5-15 gr.

Turpeth mineral—*Hydrargyri subsulphas flavus*,
2-4 gr.

Vallet's mass—*Massa ferri carbonatus*, 1-5 gr.

Vienna paste—*Potassa cum calce*.

Warburg's tincture—*Tinctura antiperiodica* (2% quinine), 1-4 dr.

Warming plaster—*Emplastrum picis cantharidatum*.

Washing soda—*Sodii carbonas*, 5-15 gr.

Wild cherry—*Prunus Virginiana*, $\frac{1}{2}$ -1 dr.

Witchhazel—*Hamamelis*.

Wintergreen, oil of—*Oleum gaultheriæ*, 1-5 ml.

DOSAGE IN CHILDREN.

Young's rule :

$$\frac{\text{age}}{\text{age} + 12} = x = \text{fraction of adult dose.}$$

Example:

$$\frac{2}{2 + 12} = \frac{1}{7}.$$

Cowling's :

$$\frac{\text{age} + 1}{24} = x.$$

Example:

$$\frac{2 + 1}{24} = \frac{1}{8}.$$

RULES FOR INCOMPATIBILITY OF DRUGS.

- I. Mineral acids are incompatible with the alkalies, their carbonates, and lead.
- II. Metallic salts are precipitated by alkalies and tannic acid.
- III. The alkaloids are incompatible with tannic acid and caustic alkalies.
- IV. All drugs are incompatible with their antidotes and chemical tests.

AN EASY METHOD OF WRITING PRESCRIPTIONS.

It may be assumed, for the purpose of writing prescriptions, that there are 15 doses of a teaspoonful each in a 2-ounce mixture, 30 in a 4-ounce mixture, and 60 in an 8-ounce mixture. Only in the case of dangerous drugs is a more accurate estimation necessary.

In a 4-ounce mixture, then, with a teaspoonful dose, each dose will contain $\frac{1}{30}$ of the total amount of any drug which may be in solution or uniform suspension.

In the case of drugs with a usual dose of about 5 gr. or mL , 1 drachm may be taken as the basis of calculation.

If 1 drachm of a drug be added to a 4-ounce mixture, each teaspoonful will contain $\frac{1}{30}$ of a drachm, or 2 gr. or mL .

Taking 2, then, as a unit, it is only necessary to find the multiple of 2 which will give the desired dose, and this will represent the number of drachms to be put into the prescription.

To take an example:

In a 2-ounce mixture, each teaspoonful will contain $\frac{1}{15}$ of a drachm, or 4 gr. or mL .

In an 8-ounce mixture, each teaspoonful will contain $\frac{1}{6}$ of a drachm, or 1 gr. or $\frac{1}{4}$ fl.

From the above statements the following rule may be formulated:

Divide 60 (one drachm) by the number of doses in the prescription, and multiply the result by the numeral necessary to give the desired dose. This numeral will represent the number of drachms to be used.

In the case of drugs with a maximum dose of less than a grain, 1 grain instead of 1 drachm may be taken as the basis of calculation. Thus, if 1 grain be added to a 4-ounce mixture with a teaspoonful dose, each dose will contain $\frac{1}{30}$ of a grain.

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